APPENDIX 3.3-A **KNE AIR QUALITY TECHNICAL REPORT**

Los Angeles County
Metropolitan Transportation Authority

AIR QUALITY TECHNICAL REPORT

K LINE NORTHERN EXTENSION



Metro

JULY 2024

K LINE NORTHERN EXTENSION TRANSIT CORRIDOR PROJECT

Air Quality Technical Report

Prepared for:

Metro

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ABBREVIATIONS/ACRONYMS

ACRONYM	DEFINITION
AQMP	Air Quality Management Plan
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CCAA	California Clean Air Act
CEQA	California Environmental Quality Act
CH_4	methane
CO	carbon monoxide
Division 16	Division 16 Southwestern Maintenance Yard
DPM	diesel particulate matter
EIR	Environmental Impact Report
EMFAC	CARB's EMission FACtor program
hp	horsepower
KNE	K-Line Northern Extension Transit Corridor Project
LAX	Los Angeles International Airport
LRT	light rail transit
LRV	light rail vehicle
LST	Localized Significance Threshold
MBSSP	Moving Beyond Sustainability Strategic Plan
Metro	Los Angeles County Metropolitan Transportation Authority
MPO	Metropolitan Planning Organization
MSAT	mobile source air toxics
MSF	maintenance and storage facility
NAAQS	National Ambient Air Quality Standards
NM	not measured
NO	nitric oxide
NO_2	nitrogen dioxide
NO_X	nitrogen oxides
O_3	ozone
OFFROAD	CARB model for off-road vehicle and equipment emissions

ACRONYM	DEFINITION
OPR	Office of Planning and Research
PAH	polycyclic aromatic hydrocarbons
Pb	lead
PM	Project measure; particulate matter
PM	particulate matter
PM_{10}	particulate matter less than or equal to 10 microns in diameter
$PM_{2.5}$	particulate matter less than or equal to 2.5 microns in diameter
POM	polycyclic organic matter
ppm	parts per million
Project	K Line Northern Extension Transit Corridor Project
ROG	reactive organic gases
RSA	Resource Study Area
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Community Strategies
SEM	Sequential Excavation Method
SIP	State Implementation Plan
SO_2	sulfur dioxide
SO_X	sulfur oxides
SRA	Source-Receptor Area
TAC	toxic air contaminant
TBM	tunnel boring machine
TIP	Transportation Improvement Program
TOG	total organic gases
USEPA	United States Environmental Protection Agency
VMT	vehicle miles traveled
VOC	volatile organic compounds

CHAPTER 1 INTRODUCTION

1.1 PROJECT OVERVIEW

The Los Angeles County Metropolitan Transportation Authority (Metro) is preparing a Draft Environmental Impact Report (EIR) for the K Line Northern Extension Transit Corridor Project (KNE, the Project) (Figure 2-1). The Project would provide a northern extension of the Metro light rail transit (LRT) K Line from the Metro E Line (Expo) to the Metro D Line (Purple) and B Line (Red) heavy rail transit lines. The Project would serve as a critical regional connection, linking the South Bay, the Los Angeles International Airport (LAX) area, South Los Angeles, Inglewood, and Crenshaw corridor to Mid-City, Central Los Angeles, West Hollywood, and Hollywood, allowing for further connections to points north in the San Fernando Valley via the Metro B Line. The Project would also connect major activity centers and areas of high population and employment density.

1.2 TECHNICAL REPORT SUMMARY

This technical report evaluates the Project's environmental impacts as they relate to air quality. It describes existing conditions, the current applicable regulatory setting, potential impacts from construction and operation of the alignment alternatives, stations, design option, and maintenance and storage facility (MSF), as well as mitigation measures where applicable. This technical report was conducted in compliance with the California Environmental Quality Act (CEQA) (Sections 21000 et seq.) and the CEQA Guidelines (Section 15000 et seq.), which require state and local agencies to identify the significant environmental impacts of their actions, including significant impacts associated with air quality, and to avoid or mitigate those impacts when feasible.

The technical report is organized into eight chapters:

- Chapter 1 – Introduction, provides an overview of the Project and a summary of the technical report's contents.
- Chapter 2 – Project Description, provides a description of the Project's alignment alternatives, stations, design option, and MSF. This section also describes the construction approach for the Project.
- Chapter 3 – Regulatory Framework, discusses applicable federal, state, and local regulatory requirements, including plans and policies relevant to Project jurisdictions.
- Chapter 4 – Methodology and Significance Thresholds, describes the analysis methodologies applied for this Project and provides a summary of CEQA significance thresholds adopted by state and local jurisdictions.
- Chapter 5 – Existing Setting, describes the existing conditions as relevant to the Project alignment alternatives, stations, design option, and MSF.
- Chapter 6 – Impacts and Mitigation Measures, discusses the impact analyses conducted for the Project's alignment alternatives, stations, design option, and MSF, and discusses applicable mitigation measures. It also discusses any project measures that would be implemented as part of design and construction of the Project.

- Chapter 7 – Cumulative Impacts, discusses the cumulative impacts for the Project's alignment alternatives, stations, design option, and MSF.
- Chapter 8 – References, lists the references used to prepare this technical report.

CHAPTER 2 PROJECT DESCRIPTION

This section provides information pertinent to the components of the Project as evaluated in the technical report. The Project components for evaluation in this technical report include three light rail alignment alternatives with stations, one design option, and one MSF.

2.1 ALIGNMENT ALTERNATIVES

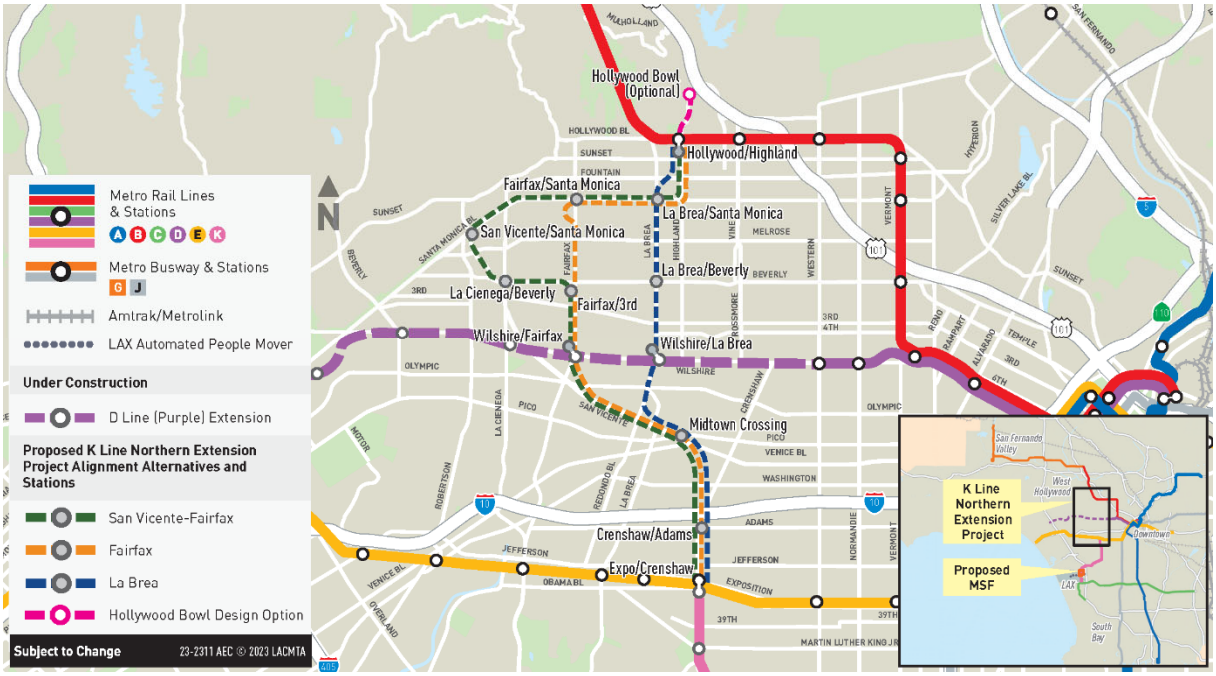
As shown in Figure 2-1, each of the three alignment alternatives would provide a northern extension of the Metro K Line from its current terminus at the Expo/Crenshaw Station to the Metro B Line Hollywood/Highland Station. All three alignment alternatives would operate entirely underground in parallel twin-bore tunnels with some station elements at the surface, including the station entrance and ventilation structures. Due to the project length and pending funding availability, the alignment alternatives would be constructed sequentially in sections.

The alignment alternatives are as follows:

- Alignment Alternative 1: San Vicente–Fairfax. This alignment alternative would travel north from the existing Metro K Line Expo/Crenshaw Station before heading northwest under San Vicente Boulevard, with a connection to the future Metro D Line Wilshire/Fairfax Station. It would continue north under Fairfax Avenue before turning west under Beverly Boulevard to rejoin San Vicente Boulevard. The alignment would then turn east under Santa Monica Boulevard, and then turn north just east of La Brea Avenue to follow Highland Avenue north to connect to the Metro B Line at the Hollywood/Highland Station.
- Alignment Alternative 2: Fairfax. This alignment alternative would travel north from the existing Metro K Line Expo/Crenshaw Station before heading northwest under San Vicente Boulevard and north under Fairfax Avenue, where it would connect with the future Metro D Line Wilshire/Fairfax Station. It would continue north under Fairfax Avenue and turn east under Santa Monica Boulevard. The alignment would then turn north just east of La Brea Avenue to follow Highland Avenue north to connect to the Metro B Line at the Hollywood/Highland Station.
- Alignment Alternative 3: La Brea. This alignment alternative would travel north from the existing Metro K Line Expo/Crenshaw Station before heading northwest under San Vicente Boulevard and north under La Brea Avenue, where it would connect with the future Metro D Line Wilshire/La Brea Station. From there, it would continue north under La Brea Avenue and turn northeast north of Fountain Avenue to follow Highland Avenue to connect with the Metro B Line at the Hollywood/Highland Station.

Table 2-1 provides a summary of the characteristics of each of the alignment alternatives and Table 2-2 identifies which stations would be constructed under each alignment alternative. In total, 12 station areas are identified, including the option to extend to the Hollywood Bowl.

FIGURE 2-1. K LINE NORTHERN EXTENSION ALIGNMENT ALTERNATIVES



Source: Connect Los Angeles Partners 2023

TABLE 2-1. CHARACTERISTICS OF THE ALIGNMENT ALTERNATIVES AND DESIGN OPTION

PROJECT COMPONENTS	ALIGNMENT ALTERNATIVES			DESIGN OPTION
	1. SAN VICENTE–FAIRFAX	2. FAIRFAX	3. LA BREA	HOLLYWOOD BOWL EXTENSION
Alignment Length	9.7 miles underground	7.9 miles underground	6.2 miles underground	+ 0.8 mile underground
Stations	9 underground	7 underground	6 underground	+1 underground
Travel time from Expo/Crenshaw to Hollywood/Highland Stations	19 minutes	15 minutes	12 minutes	+2 minutes (from Hollywood/Highland)

Source: Connect Los Angeles Partners 2023

TABLE 2-2. STATIONS BY ALIGNMENT ALTERNATIVE

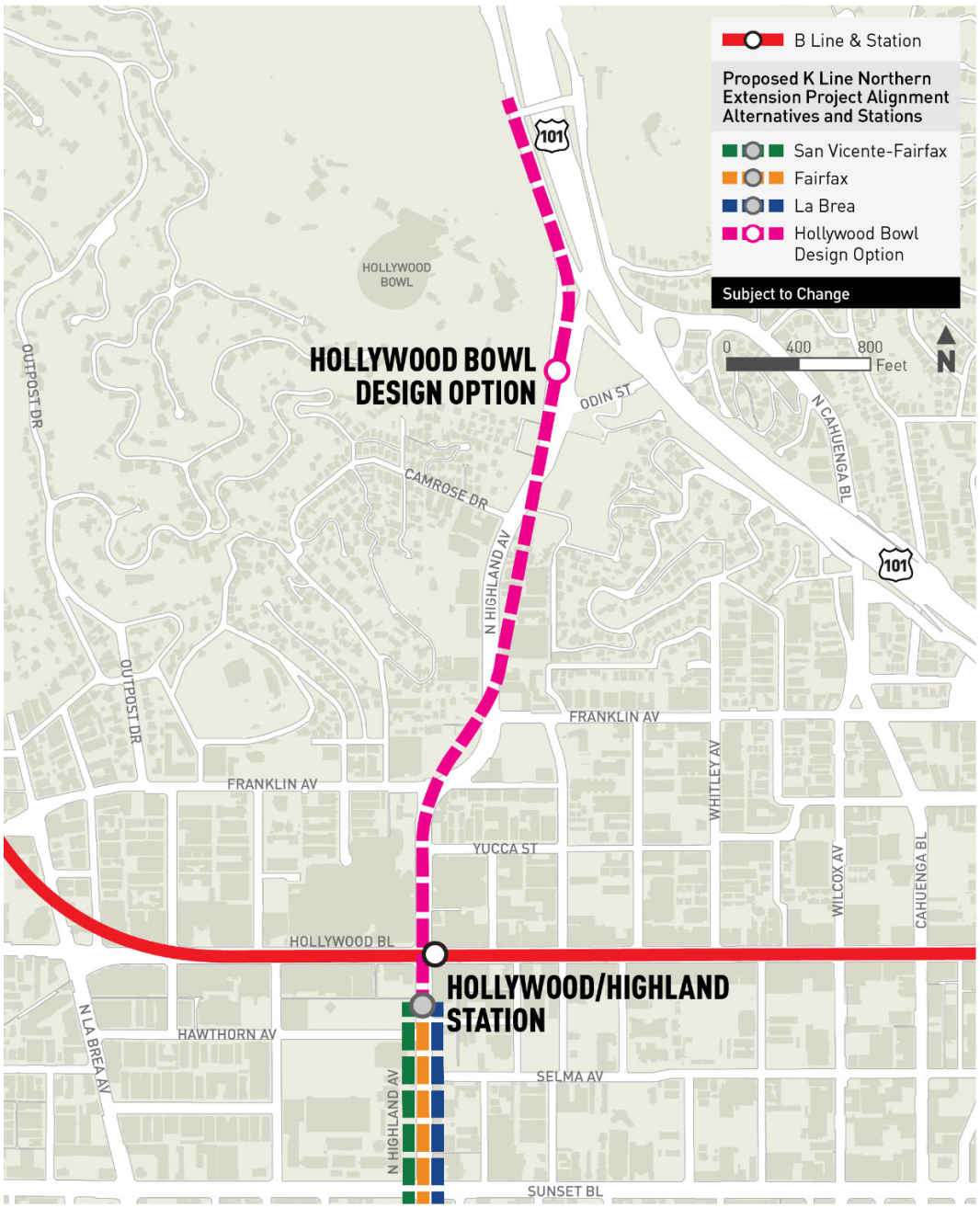
STATION	SAN VICENTE–FAIRFAX	FAIRFAX	LA BREA
Crenshaw/Adams (City of Los Angeles)	●	●	●
Midtown Crossing (City of Los Angeles)	●	●	●
Wilshire/Fairfax (City of Los Angeles)	●	●	
Fairfax/3rd (City of Los Angeles)	●	●	
La Cienega/Beverly (City of Los Angeles)	●		
San Vicente/Santa Monica (City of West Hollywood)	●		
Fairfax/Santa Monica (City of West Hollywood)	●	●	
La Brea/Santa Monica (City of West Hollywood)	●	●	●
Hollywood/Highland (City of Los Angeles)	●	●	●
Wilshire/La Brea (City of Los Angeles)			●
La Brea/Beverly (City of Los Angeles)			●
Hollywood Bowl (City of Los Angeles)	●	●	●

Source: Connect Los Angeles Partners 2023

2.2 HOLLYWOOD BOWL DESIGN OPTION

For every alignment alternative, there is one design option under consideration. The Hollywood Bowl Design Option includes an alternate terminus station at the Hollywood Bowl, north of the proposed Hollywood/Highland Station, as shown in Figure 2-2.

FIGURE 2-2. HOLLYWOOD BOWL DESIGN OPTION



Source: Connect Los Angeles Partners 2023

2.3 MAINTENANCE AND STORAGE FACILITY

An MSF would be constructed that would expand the Division 16 Maintenance Yard (Division 16), the existing MSF for the Metro K Line near LAX, as shown in Figure 2-3. The MSF would provide equipment and facilities to accommodate daily servicing and cleaning, inspection and repairs, and storage of light rail vehicles that are not in service. The MSF would be the primary physical employment center for rail operation employees, including train operators, maintenance workers, supervisors, administrators, security personnel, and other roles. If the Project is opened in sections, operation of the extended K Line from the Expo/Crenshaw Station to the Metro D Line could be accommodated within the existing Division 16 site with four new storage tracks.

FIGURE 2-3. MAINTENANCE AND STORAGE FACILITY



Source: Connect Los Angeles Partners 2023

2.4 CONSTRUCTION APPROACH

The Project would be constructed in sections that would be built sequentially, depending on available funding. The development of the Project would employ conventional construction methods, techniques, and equipment similar to other Metro projects that require underground tunneling. Detailed information on construction techniques can be found in the KNE Construction Approach Report. Major construction activities for the Project include surveys and preconstruction, which consist of local business surveys, building and utility assessments, and site preparations; right-of-way acquisition; tunnel construction, including tunnel boring machine (TBM) excavation and segmental lining and installation; utility relocation and installation work; station, crossover, and connection box construction; MSF construction, including site grading, maintenance building construction, and storage and access track construction; street restorations, including paving and sidewalks; ventilation and emergency egress construction; systems installation and facilities, including trackbed, rail, overhead contact system, conduit, electrical substation, and communications and signaling construction; and construction of other ancillary facilities.

The tunnels would be bored with TBMs, and the stations and track crossover boxes would be constructed via cut-and-cover methods, which entail excavating down from the ground surface and stabilizing the ground with an excavation support, then placing temporary decking surfaces above the excavation and conducting all excavation inside the supported area. The tunnel and station associated with the Hollywood Bowl Design Option would be constructed by sequential excavation method (SEM), which entails conventional mining techniques and equipment for hard rock excavation, which would reduce surface impacts.

Construction staging areas have been identified at each of the station locations, both of which are described and illustrated in Appendix A of the KNE Construction Approach Report. In order to construct a station, a minimum of one to two acres of construction staging sites would be needed for the duration of the station construction period. A larger construction staging site of three to four acres would be required if the site is also used to launch the TBMs and support tunneling activities. The TBM launch sites have been identified at the Midtown Crossing, San Vicente/Santa Monica, and La Brea/Santa Monica Stations. Temporary street, lane, sidewalk and bike lane closures as well as street reconfigurations will be part of construction activities. Construction and operational impacts on air quality are identified and discussed in this technical report.

CHAPTER 3 REGULATORY FRAMEWORK

Laws, regulations, plans, and policies governing air quality have been adopted at the federal, state, and local levels. Those relevant to the Project are summarized in the following sections.

3.1 FEDERAL

3.1.1 U.S. ENVIRONMENTAL PROTECTION AGENCY

The Federal Clean Air Act (CAA), first enacted in 1955, governs air quality at the national level. The U.S. Environmental Protection Agency (USEPA) is responsible for implementing the CAA and regulating emission sources, such as aircraft, ships, and certain types of locomotives, under the exclusive authority of the federal government. The USEPA also has jurisdiction over emission sources outside state waters (e.g., beyond the outer continental shelf) and establishes various emission standards, including those for vehicles.

3.1.2 CLEAN AIR ACT AMENDMENTS OF 1990

The Clean Air Act Amendments of 1990 direct the USEPA to implement environmental policies and regulations that will ensure acceptable levels of air quality. Under the Clean Air Act Amendments, a project cannot:

- Cause or contribute to any new violation of any National Ambient Air Quality Standards (NAAQS) in any area
- Increase the frequency or severity of any existing violation of any NAAQS in any area
- Delay timely attainment of any NAAQS or any required interim emission reductions or other milestones in any area

3.1.3 NATIONAL AMBIENT AIR QUALITY STANDARDS

As required by the CAA, the USEPA has established NAAQS for six major air pollutants. These pollutants are carbon monoxide (CO), nitrogen dioxide (NO_2), ozone (O_3), particulate matter (PM_{10} and $PM_{2.5}$),[1] sulfur dioxide (SO_2), and lead (Pb).

The NAAQS are summarized in Table 3-1 below. The "primary" standards in the table have been established to protect public health. The "secondary" standards are intended to protect the nation's welfare and account for air pollutant effects on soil, water, visibility, materials, vegetation, and other aspects of the general welfare.

[1] Particulate matter (PM) smaller than or equal to 10 microns (PM_{10}) or 2.5 microns ($PM_{2.5}$) in diameter

3.2 STATE REGULATIONS

3.2.1 CALIFORNIA AIR RESOURCES BOARD

Pollutants that degrade air quality in California are also subject to the requirements of the California Clean Air Act (CCAA). The CCAA, as amended in 1992, requires all air quality management districts in the state to endeavor to achieve and maintain State Ambient Air Quality Standards.

The California Air Resources Board (CARB), which became part of the California Environmental Protection Agency in 1991, is responsible for ensuring implementation of the CCAA and meeting state requirements of the CAA. It is also responsible for setting emission standards for vehicles sold in California and for other emission sources, such as consumer products and certain off-road equipment. CARB also established passenger vehicle fuel specifications. Automobiles sold in California must meet the stricter emission standards established by CARB. CARB also oversees the functions of local air pollution control districts and air quality management districts, which in turn administer air quality activities at the regional and county level.

3.2.2 STATE AMBIENT AIR QUALITY STANDARDS

As required by the CCAA, CARB has also established ambient air quality standards, known as the California Ambient Air Quality Standards (CAAQS). These standards are generally more stringent than the corresponding federal standards and incorporate additional standards for sulfates, hydrogen sulfide, vinyl chloride, and visibility-reducing particles. The CAAQS are summarized in Table 3-1.

3.2.3 TOXIC AIR CONTAMINANT IDENTIFICATION AND CONTROL ACT

The Toxic Air Contaminant Identification and Control Act created California's program to reduce exposure to air toxics in 1983. Under the Toxic Air Contaminant Identification and Control Act, CARB is required to prioritize the identification and control of air toxics emissions by considering criteria relating to the risk of harm to public health when selecting substances for review. The Toxic Air Contaminant Identification and Control Act also requires CARB to use available information gathered from the Air Toxics Hot Spots Information and Assessment Act to include in the prioritization of compounds.

CARB classified particulate emissions from diesel-fueled engines (i.e., diesel particulate matter [DPM]) as toxic air contaminants (TACs) in August 1998. Following the identification process, CARB was required by law to determine if there was a need for further control, which led to the risk management phase of the program. For the risk management phase, CARB formed the Diesel Advisory Committee to assist in the development of a risk management guidance document and a risk reduction plan. With the assistance of the Advisory Committee and its subcommittees, CARB developed the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-Fueled Engines and Vehicles and the Risk Management Guidance for the Permitting of New Stationary Diesel-Fueled Engines.

TABLE 3-1. STATE AND FEDERAL AIR QUALITY STANDARDS

Ambient Air Quality Standards

Pollutant	Averaging Time	California Standards [1]		National Standards [2]		
		Concentration [3]	Method [4]	Primary [3,5]	Secondary [3,6]	Method [7]
Ozone (O_3)[8]	1 Hour	0.09 ppm (180 µg/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		0.14 ppm (for certain areas)[11]	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas)[11]	—	
Lead[12,13]	30 Day Average	1.5 µg/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	Gas Chromatography			

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990 **California Air Resources Board (5/4/16)**

Source: CARB 2016

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above 150 $\mu g/m^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from 15 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

    Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard (1.5 $\mu g/m^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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Source: CARB 2016

The Diesel Advisory Committee approved these documents in September 2000, paving the way for the next step in the regulatory process: the control measure phase. During the control measure phase, specific statewide regulations designed to further reduce DPM emissions from diesel-fueled engines and vehicles continue to be evaluated and developed. The goal of each regulation is to make diesel engines as clean as possible by establishing state-of-the-art technology requirements or emission standards to reduce DPM emissions.

3.2.4 STATE IMPLEMENTATION PLAN AND TRANSPORTATION IMPROVEMENT PROGRAM

A Regional Transportation Plan (RTP) presents the transportation vision for the region and provides a long-term investment framework for addressing the region's transportation and related challenges. Under the Clean Air Act Amendments of 1990, proposed transportation projects must be derived from a long-range transportation plan or RTP that conforms with the state air quality plans as outlined in a State Implementation Plan (SIP). The SIP sets forth the state's strategies for achieving air quality standards. Projects must also be included in a Transportation Improvement Program (TIP) that conforms with the SIP, and localized impacts from proposed projects must conform to state air quality plans in nonattainment and maintenance areas.

A metropolitan planning organization (MPO) is the designated local decision-making body that is responsible for carrying out the metropolitan transportation planning process for an urban area. The Southern California Association of Governments (SCAG) is the MPO for the six-county region that includes Los Angeles, Orange, Riverside, Ventura, San Bernardino, and Imperial Counties.

3.3 LOCAL REGULATIONS

3.3.1 SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

South Coast Air Quality Management District (SCAQMD) was created to protect the public from the harmful effects of air pollution, achieve and maintain air quality standards, foster community involvement, and develop and implement cost-effective programs meeting state and federal mandates, considering environmental and economic impacts.

Specifically, SCAQMD is responsible for monitoring air quality and planning, implementing, and enforcing programs designed to attain and maintain state and federal ambient air quality standards in the district. SCAQMD regulates stationary source emissions, including area sources and point sources, and certain mobile source emissions. SCAQMD is also responsible for establishing permitting requirements for stationary sources and ensuring that new, modified, or relocated stationary sources do not create net emissions increases and, therefore, are consistent with the region's air quality goals. SCAQMD has fulfilled this requirement by preparing a series of Air Quality Management Plans (AQMPs), described in Section 5.1.5. SCAQMD enforces air quality rules and regulations through a variety of means, including inspections, educational or training programs, or fines, when necessary.

All projects in SCAQMD's jurisdiction are subject to SCAQMD rules and regulations, including, but not limited to, the following:

- Rule 401 Visible Emissions: Prohibits discharge of air emissions that results in a plume that is as dark as or darker than that designated No. 1 on the Ringelmann Chart by the United States Bureau of Mines for more than three minutes in any one hour.
- Rule 402 Nuisance: Prohibits the discharge of "such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of people or the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property."
- Rule 403 Fugitive Dust: Requires that future projects reduce the amount of particulate matter entrained in the ambient air as a result of fugitive dust sources by requiring actions to prevent, reduce, or mitigate fugitive dust emissions from any active operation, open storage pile, or disturbed surface area.
- Rule 1113 Architectural Coatings: Limits volatile organic compounds (VOC) in architectural coatings used within SCAQMD. These limits are application-specific and are updated as the availability of low-VOC products expands.
- Rule 1168 Adhesive and Sealant Applications: Reduces emissions of VOCs, TACs, and stratospheric ozone-depleting compounds from the application of adhesives, adhesive primers, sealants, and sealant primers.
- Regulation XIII New Source Review: Contains Rules 1300 through 1325, which set forth pre-construction review requirements for new, modified, or relocated facilities, to ensure that the operation of such facilities does not interfere with progress in attainment of the NAAQS and CAAQS, and that future growth within SCAQMD is not unnecessarily restricted. The specific air quality goal of this regulation is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors.

CHAPTER 4 METHODOLOGY AND SIGNIFICANCE THRESHOLDS

4.1 METHODOLOGY

The purpose of this assessment is to evaluate the Project against thresholds of significance as the basis for determining the level of impacts related to air quality.

4.1.1 CONSTRUCTION IMPACTS

4.1.1.1 REGIONAL EMISSIONS ANALYSIS

An assessment of the air quality construction impacts of the Project was conducted using staging information, estimated Project schedule, and construction equipment usage details. As described in Section 2.4, major construction activities for the Project would include surveys and preconstruction; tunnel construction; utility relocation and installation work; station, crossover, and connection box construction; storage track or MSF construction; street restoration; ventilation and emergency egress construction; systems installation and facilities, including trackbed, rail, third rail, conduit, electrical substation, and communications and signaling construction; and construction of other ancillary facilities. During each phase of construction, emissions would be generated from heavy-duty construction equipment, worker travel to and from the project site, and material import and export using haul trucks, delivery trucks, and cement trucks.

This assessment used emission factors from the CARB model for off-road vehicle and equipment emissions (OFFROAD), as well as the CARB model for on-road vehicle emissions (EMission FACtor program, or EMFAC). For the off-road vehicles and equipment, OFFROAD2021 emission factors specific to the South Coast Air Basin (SCAB) as defined in Section 5.1.2, along with Project-specific information on pieces of equipment for each construction phase, were used. For each piece of equipment, the CARB equipment type, number of pieces of equipment, horsepower (hp), and utilization developed for the Project are presented in Appendix A, Construction Data. In addition, specific pieces of equipment are required to meet Tier 4 final emission standards, which are USEPA's most stringent emissions standards for engines. Tier 4 engines reduce NOx and particulate matter emissions by over 90 percent as compared to older model engines. Tier 4 standards were modeled based on the procedures outlined in the California Emissions Estimator Model (CalEEMod) program. Types of Project construction equipment required to meet USEPA's Tier 4 final emission standards when used for surface operations include:

- Crane
- Loader
- Excavator
- Telehandler
- Bore/drill rig

- Front end loader
- Welding plant
- Sweeper/scrubber

Equipment that is being used for specific subsurface operations was modeled as Tier 2. Higher-tiered equipment has not been approved for use by the Mining Safety and Health Administration for specific subsurface operations. This equipment includes:

- Excavator
- Loader
- Rubber tired dozer
- Segment hauler

Tier-specific emission rates were obtained from CalEEMod. Fleet average emission rates from CARB's OFFROAD2021 model for the SCAB were assumed to be representative for all other pieces of equipment. Emission rates for 2041, the first anticipated year of construction for any Project element, were conservatively used to represent the fleet average equipment.

Worker commute, haul truck, delivery truck, and cement truck trip emissions factors were estimated using the EMFAC2021 (v.1.0.2) emission factor model for the Los Angeles County region, aggregated for all model years, all fuel types, and annual average for season in each of the calendar years from 2041 through 2050. Details regarding vehicle categories and speeds used to represent on-site and off-site travel are presented in Appendix A, Construction Data.

In addition to exhaust emissions from the construction equipment, fugitive dust emissions from dirt handling and re-entrained roadway dust were included in the emission burden analyses to present a full inventory of emission burdens generated by the Project. Emissions from construction activities such as earthmoving activities (bulldozing, etc.), truck loading, and road dust were calculated using applicable formulas from USEPA's AP-42 (USEPA 2023c). Area-specific parameters, such as silt content, were taken from the CalEEMod program. Soil moisture content was updated to reflect the muck moisture content based on field data information.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum daily emissions that would occur throughout construction of each alignment alternative section and MSF or Hollywood Bowl Design Option or MSF construction concurrent with that section. The analysis assumes that each alignment alternative section would be built sequentially, not concurrently; therefore, emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine combined air quality impacts. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project, presented in Appendix A, Construction Data. The estimated maximum daily values were compared to the SCAQMD air quality construction significance thresholds shown in Table 4-1 to determine if the Project would meet or exceed these values.

TABLE 4-1. SCAQMD AIR QUALITY SIGNIFICANCE THRESHOLDS

South Coast AQMD Air Quality Significance Thresholds

Mass Daily Thresholds [a]		
Pollutant	**Construction**	**Operation**
NO_x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM_{10}	150 lbs/day	150 lbs/day
$PM_{2.5}$	55 lbs/day	55 lbs/day
SO_x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
Toxic Air Contaminants (TACs), Odor, and GHG Thresholds		
TACs (including carcinogens and non-carcinogens)	Maximum Incremental Cancer Risk ≥ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas ≥ 1 in 1 million) Chronic & Acute Hazard Index ≥ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to South Coast AQMD Rule 402	
GHG	10,000 MT/yr CO_2eq for industrial facilities	
Ambient Air Quality Standards for Criteria Pollutants [b]		
NO_2 1-hour average annual arithmetic mean	South Coast AQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 0.18 ppm (state) 0.03 ppm (state) and 0.0534 ppm (federal)	
PM_{10} 24-hour average annual average	10.4 µg/m³ (construction)[c] & 2.5 µg/m³ (operation) 1.0 µg/m³	
$PM_{2.5}$ 24-hour average	10.4 µg/m³ (construction)[c] & 2.5 µg/m³ (operation)	
SO_2 1-hour average 24-hour average	0.25 ppm (state) & 0.075 ppm (federal – 99th percentile) 0.04 ppm (state)	
Sulfate 24-hour average	25 µg/m³ (state)	
CO 1-hour average 8-hour average	South Coast AQMD is in attainment; project is significant if it causes or contributes to an exceedance of the following attainment standards: 20 ppm (state) and 35 ppm (federal) 9.0 ppm (state/federal)	
Lead 30-day Average Rolling 3-month average	1.5 µg/m³ (state) 0.15 µg/m³ (federal)	

[a] Source: South Coast AQMD CEQA Handbook (South Coast AQMD, 1993)
[b] Ambient air quality thresholds for criteria pollutants based on South Coast AQMD Rule 1303, Table A-2 unless otherwise stated.
[c] Ambient air quality threshold based on South Coast AQMD Rule 403.

KEY: lbs/day = pounds per day ppm = parts per million µg/m³ = microgram per cubic meter ≥ = greater than or equal to
MT/yr CO_2eq = metric tons per year of CO_2 equivalents > = greater than

Revision: March 2023

Source: SCAQMD 2023

Metro's Moving Beyond Sustainability Strategic Plan (MBSSP) and its updated Green Construction Policy require the use of renewable diesel fuel if reasonably available in the vicinity of the Project. Emissions benefits associated with this measure were not included in the analysis due to uncertainty about the availability of renewable diesel fuel in the vicinity of the Project at the time of Project construction.

4.1.1.2 LOCALIZED POLLUTANT CONCENTRATIONS

Regional emissions refer to all emissions that would be associated with a project, while localized emissions refer to only those emissions that would be produced by sources located on the project site. Construction activities typically generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. These localized emissions have the potential to create high concentrations of air pollutants.

On-site criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1. SCAQMD's Final Localized Significance Threshold Methodology was used to assess localized criteria pollutant air quality impacts from construction of the Project (SCAQMD 2009). SCAQMD's Localized Significance Threshold (LST) Methodology divides the SCAB into 38 Source-Receptor Areas (SRAs). The Project is located in SRA 2 – Northwest Coastal Los Angeles County. Appendix C of SCAQMD's LST Methodology presents LST tables for site sizes of one, two, and five acres. SCAQMD's example projects show linear interpolation of LSTs for site sizes of three and four acres; that approach was also used for the Project.

In order to construct a station, a minimum of one to two acres of construction staging sites would be needed for the duration of the station construction period. A larger construction staging site of three to four acres would be required if the site is also used to launch the TBMs and support tunneling activities. The total size of all construction staging areas for each station site was taken from Appendix A of the KNE Construction Approach Report and used to select the appropriate LSTs for each site. The site size for MSF Section 1—the addition of four storage tracks to the existing Division 16 MSF—would be up to one acre. While the total site size for MSF Section 2—expansion of the existing Division 16 MSF on the adjacent site—would be 16.5 acres, it was assumed that a maximum of 5 acres would be disturbed per day, and LSTs for a 5-acre site were used.

According to SCAQMD, land uses that constitute air quality sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. SCAQMD recommends that air quality assessments consider the potential localized impacts to sensitive receptors at distances up to 500 meters[2] (1,640 feet) from project sites, depending on the proximity of sensitive land uses. The Project is located in a developed urban setting near many land uses that qualify as sensitive receptors,

[2] Distances presented in metric units to match SCAQMD's LST Guidance and LST Thresholds Tables (Table 4-2 and Table 4-3).

including residential land uses, schools, and other institutional uses located along the alignment. To ensure a conservative analysis, the closest receptors were assumed to be within 25 meters (82 feet) of the station construction site boundaries, the minimum distance provided in the LST Methodology. The MSF is located in an industrial area, and the closest sensitive receptors would be residences located 100 meters (328 feet) north of the site.

On-site use of diesel-fueled heavy-duty construction equipment and on-road trucks would also generate temporary localized TAC emissions in the form of DPM. Potential impacts to sensitive receptors from localized TAC emissions were assessed qualitatively.

4.1.1.3 OTHER EMISSIONS

Other construction emissions with the potential to adversely affect a substantial number of people include odors from diesel vehicle exhaust. Diesel vehicle exhaust has a distinctive odor that may be considered unpleasant to certain individuals. While unpleasant odors rarely cause physical harm, they can be considered a nuisance. SCAQMD air quality significance thresholds address odorous emissions by invoking compliance with SCAQMD Rule 402, which prohibits creation of a public nuisance affecting a considerable number of people. No quantitative threshold has been established for assessing potential odor impacts; therefore, potential impacts were assessed qualitatively.

4.1.2 OPERATIONAL IMPACTS

4.1.2.1 REGIONAL TRAFFIC EMISSIONS ANALYSIS

The regional emission burden analysis determines a project's overall impact on air quality levels. For this Project, an analysis was conducted based upon forecasted vehicle miles traveled (VMT) displaced due to transit use associated with the alignment alternatives and operations associated with the MSF.

The regional traffic emissions analysis was conducted for the existing conditions baseline year of 2019, the 2045 without Project conditions, and the 2045 Project conditions for each alignment alternative. The Metro Corridor Based Model 2018c forecasts that the design option would not contribute to a meaningful change in regional VMT, and no additional emissions analyses were conducted. Emission factors were obtained from CARB's EMission FACtor program, EMFAC2021, the latest emission inventory model for the calculation of mobile source emission factors for vehicles operating on roads in California. Emissions were estimated using parameters set within the program for SCAQMD, including the regional mix of vehicle types, vehicle age, and vehicle speeds. Light rail vehicles (LRVs) and lighting of proposed stations would be electrically powered and would not generate direct criteria pollutant emissions. Project emissions have been compared to the SCAQMD regional significance thresholds described in Section 4.2.

4.1.2.2 MSF OPERATIONS EMISSIONS ANALYSIS

Project activities associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of each alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site and comprises approximately 57,380 square feet of facility structures. No MSF construction would occur concurrently with Section 3 of the San Vicente–Fairfax Alignment Alternative.

Operation of the MSF additions would result in criteria pollutant emissions from combustion of natural gas for heating and cooling and from activities required for maintenance and upkeep of the structures and LRVs. These emissions were quantified using default model parameters for the "warehouse with rail" land use type in the CalEEMod program with the following modeling parameters: region (Los Angeles sub-area of the SCAB), climate zone (9), utility (Southern California Edison), and size (approximately 57,380 square feet based on space needs estimates). MSF operations would also result in criteria pollutant emissions from employee commute vehicles. Employee commute trips associated with operation of the MSF are included in the regional VMT projections used to evaluate the change in regional vehicle emissions resulting from the Project.

4.1.2.3 LOCALIZED POLLUTANT CONCENTRATIONS

Off-site operational criteria pollutant emission sources with the potential to result in substantial localized pollutant concentrations include exhaust from regional motor vehicle traffic and exhaust from employee commute vehicles associated with the MSF. Motor vehicle exhaust can cause elevated concentrations of CO; the highest CO concentrations are typically found close to congested roadways and intersections.

On-site criteria pollutant emission sources with the potential to result in substantial localized pollutant concentrations would be located at the MSF and would include heating and cooling activities that use natural gas and activities required for maintenance and upkeep of the structures and LRVs. LRVs and light rail station operations are electric and would not include any sources of air pollutant emissions.

SCAQMD's Final Localized Significance Threshold Methodology was used to assess localized air quality impacts from operational activities at the MSF (SCAQMD 2009). The MSF is located in SRA 2 – Northwest Coastal Los Angeles County. Appendix C of SCAQMD's LST Methodology presents LST tables for site sizes of one, two, and five acres. To ensure a conservative analysis, it was assumed that daily MSF operations would occur within active areas that are less than or equal to one acre in size. The MSF is located in an industrial area, and the closest sensitive receptors would be residences located 100 meters (328 feet) north of the site. Impacts to sensitive receptors from localized TAC emissions were assessed qualitatively.

4.1.2.4 OTHER EMISSIONS

Other operational emissions with the potential to adversely affect a substantial number of people include odors. While unpleasant odors rarely cause physical harm, they can be considered a nuisance. SCAQMD air quality significance thresholds address odorous emissions by invoking compliance with SCAQMD Rule 402, which prohibits creation of a public nuisance affecting a considerable number of people. No quantitative threshold has been established for assessing potential odor impacts; therefore, potential impacts were assessed qualitatively.

4.2 CEQA SIGNIFICANCE THRESHOLDS

In accordance with Appendix G of the 2022 CEQA Guidelines, the Project would have a significant impact related to air quality if it would:

- Impact AQ-1: Conflict with or obstruct implementation of the applicable air quality plan.
- Impact AQ-2: Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard.
- Impact AQ-3: Expose sensitive receptors to substantial pollutant concentrations.
- Impact AQ-4: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

In a CEQA analysis, project-related impacts are typically compared to existing (without project) conditions. However, pursuant to CEQA Guidelines Section 15125(a)(2), a lead agency has the discretion to exclusively use a future conditions baseline for the purposes of determination of significance under CEQA in instances where showing an existing conditions analysis would be misleading or without informational value. Use of an existing conditions baseline for the air quality analysis would be misleading for the Project because it ignores the regional background growth in population, traffic, and transportation infrastructure that would occur between the 2019 existing conditions baseline year and the 2045 horizon year for the travel demand forecasting (i.e., the 2019 existing conditions will be substantially altered by regional growth that will occur independent of the Project, which, in turn, would mask the impacts that are attributable to the Project and would not provide an accurate and meaningful representation of Project-related impacts). Consideration of regional background growth is critical when determining future effects for transit projects designed to reduce traffic congestion and associated air quality impacts over time. Isolating the Project's impacts from other regional changes in the environment would result in a misleading analysis. Therefore, for the quantification of air quality emissions, Project emissions will be defined as the difference between the Project (2045) and the existing conditions in 2019 adjusted for regional growth (i.e., the projected future conditions baseline) that would occur by 2045. In this case, the projected future conditions baseline is the 2045 without Project conditions.

SCAQMD is the agency given primary responsibility for developing plans, programs, rules, and regulations that will improve air quality in the SCAB. SCAQMD published CEQA significance thresholds and guidance for analyzing the significance of project air quality impacts in the CEQA Air Quality

Handbook (SCAQMD 1993). Since the release of the CEQA Air Quality Handbook, additional guidance documents updating or adding to SCAQMD's CEQA Handbook have been published on the SCAQMD website. SCAQMD's current CEQA significance thresholds are presented in Table 4-1.

SCAQMD guidance recommends that air pollutant emissions be analyzed in both regional and local contexts. Regional emissions refer to all emissions that would be associated with construction and operation of a project (e.g., on-site and off-site), while localized emissions refer to only those emissions that would be produced by sources located on a project site. SCAQMD established regional maximum daily screening threshold values for air pollutant emissions from projects within the SCAB. The mass daily thresholds were developed to prevent the occurrence of air quality violations that would obstruct implementation of the AQMP and hinder efforts to improve regional air quality. In addition to regional significance thresholds, SCAQMD has developed localized concentration-based CEQA screening values for criteria pollutants. As discussed further in Section 5.1.3, since the SCAB is in nonattainment for PM_{10} and $PM_{2.5}$ under the CAAQS, the threshold is established as an incremental "allowable change" in concentration as a result of Project implementation.

Quantitative thresholds for determining impacts from TAC emissions have also been developed by SCAQMD. SCAQMD has not established quantitative thresholds for assessing potential impacts from odors.

SCAQMD has developed area-specific mass emission rate LSTs based on project location, project site size, and proximity of sensitive receptors to the project site. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. LST Mass Rate Look-Up Tables are provided in Appendix C to the SCAQMD Final Localized Significance Threshold Methodology and represent maximum allowable daily emissions from sources on the project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009). The Project is located in SRA 2 – Northwest Coastal Los Angeles County. Construction and Operation LSTs for SRA 2 are presented in Table 4-2 and Table 4-3, respectively.

The Governor's Office of Planning and Research (OPR) released technical advisories for the streamlined review of transportation projects under CEQA in 2018 and 2021 (OPR 2018, 2021). In these advisories, OPR acknowledges the benefits of certain types of transportation projects (including light rail projects) that would reduce VMT and recommends the streamlining of air emissions impact analyses for these projects because they would reduce transportation-related air emissions, improve and increase multimodal transportation networks, and facilitate mixed-use development. The OPR recommendation is based on programmatic review of public transit and active transportation projects, which consistently demonstrate reductions in pollutant emissions from on-road vehicles. The determination of operational air quality impacts is streamlined for the Project, as it would not introduce a new substantial permanent source of air pollutant emissions and would induce changes to regional transportation patterns that would decrease VMT and associated air pollutant emissions.

TABLE 4-2. SCAQMD LOCALIZED SIGNIFICANCE THRESHOLDS – CONSTRUCTION

SOURCE RECEPTOR AREA	SITE SIZE (ACRES)	RECEPTOR DISTANCE (m)	(LBS/DAY)			
			CO	NO_X	PM_{10}	$PM_{2.5}$
2 (Northwest Coastal Los Angeles County)	≤1	25	562	103	4	3
		50	833	104	12	4
		100	1,233	121	27	8
		200	2,367	156	57	18
		500	7,724	245	146	77
	2	25	827	147	6	4
		50	1,213	143	19	5
		100	1,695	156	34	10
		200	2,961	186	64	21
		500	8,446	262	154	82
	5	25	1,531	221	13	6
		50	1,985	212	40	8
		100	2,762	226	55	14
		200	4,383	250	84	29
		500	10,467	312	174	95

Source: SCAQMD 2009
CO = carbon monoxide; lbs/day = pounds per day; NOx = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; m = meters; SCAQMD = South Coast Air Quality Management District

TABLE 4-3. SCAQMD LOCALIZED SIGNIFICANCE THRESHOLDS – OPERATION

SOURCE RECEPTOR AREA	SITE SIZE (ACRES)	RECEPTOR DISTANCE (m)	(LBS/DAY)			
			CO	NO_X	PM_{10}	$PM_{2.5}$
2 (Northwest Coastal Los Angeles County)	≤1	25	562	103	1	1
		50	833	104	3	1
		100	1,233	121	7	2
		200	2,367	156	14	5
		500	7,724	245	36	19
	2	25	827	147	2	1
		50	1,213	143	5	2
		100	1,695	156	9	3
		200	2,961	186	16	6
		500	8,446	262	37	20
	5	25	1,531	221	3	2
		50	1,985	212	10	2
		100	2,762	226	13	4
		200	4,383	250	21	7
		500	10,467	312	42	23

Source: SCAQMD 2009
CO = carbon monoxide; lbs/day = pounds per day; NOx = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; m = meters; SCAQMD = South Coast Air Quality Management District

CHAPTER 5 EXISTING SETTING

5.1 REGIONAL SETTING

5.1.1 POLLUTANT DESCRIPTIONS

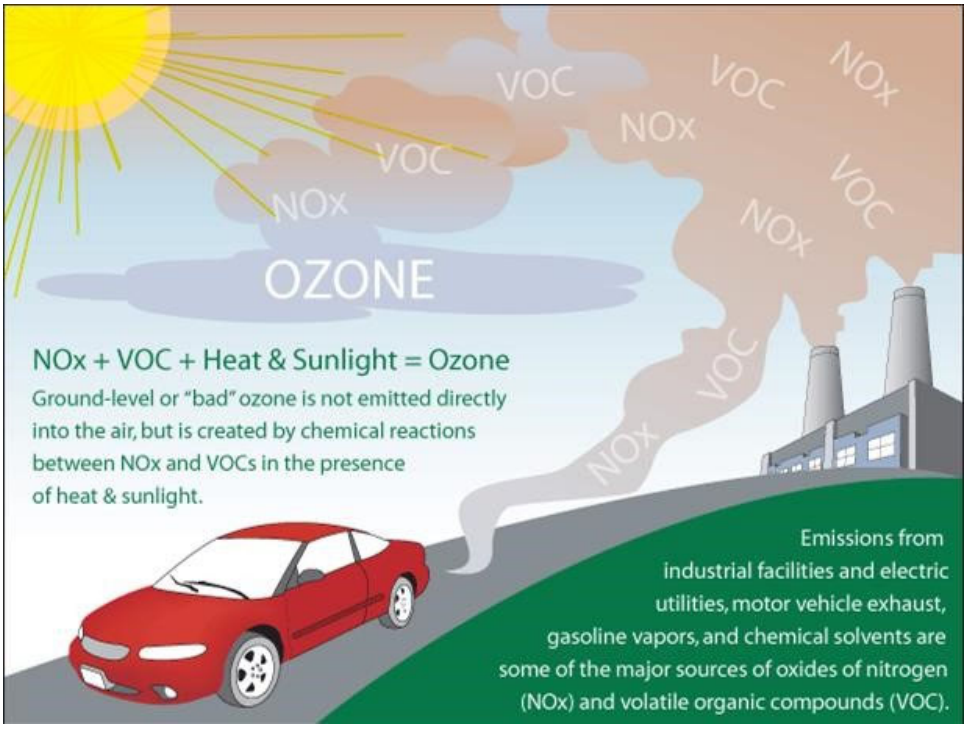
5.1.1.1 CRITERIA POLLUTANTS

Pollutants that have established national standards are referred to as "criteria pollutants." The sources of these pollutants, their effects on human health and the nation's welfare, and their final deposition in the atmosphere vary considerably. A brief description of each criteria pollutant is provided below.

OZONE

O_3 is a colorless toxic gas. As shown in Figure 5-1, O_3 is found in both the Earth's upper and lower atmospheric levels. In the upper atmosphere, O_3 is a naturally occurring gas that helps to prevent the sun's harmful ultraviolet rays from reaching the Earth. In the lower layer of the atmosphere, O_3 is man-made. Although O_3 is not directly emitted, it forms in the lower atmosphere through a chemical reaction between hydrocarbons, also referred to as VOC, and nitrogen oxides (NOx), which are emitted from industrial sources and from automobiles. Hydrocarbons are compounds comprised primarily of atoms of hydrogen and carbon. Total organic gases (TOG) and reactive organic gases (ROG) are the two classes of hydrocarbons that are inventoried by CARB and SCAQMD. ROG have relatively high photochemical reactivity. The principal nonreactive hydrocarbon is methane (CH_4), which is also a greenhouse gas. The major source of ROG is the incomplete combustion of fossil fuels in internal combustion engines. Other sources of ROG include the evaporative emissions associated with the use of paints and solvents, the application of asphalt paving, and the use of household consumer products. Adverse effects on human health are not caused directly by ROG, but rather by reactions of ROG to form secondary pollutants. ROG are also transformed into organic aerosols in the atmosphere, contributing to higher levels of fine particulate matter and lower visibility. The term "ROG" is used by CARB for air quality analysis, and is defined the same as the federal term "VOC."

FIGURE 5-1. OZONE IN THE ATMOSPHERE



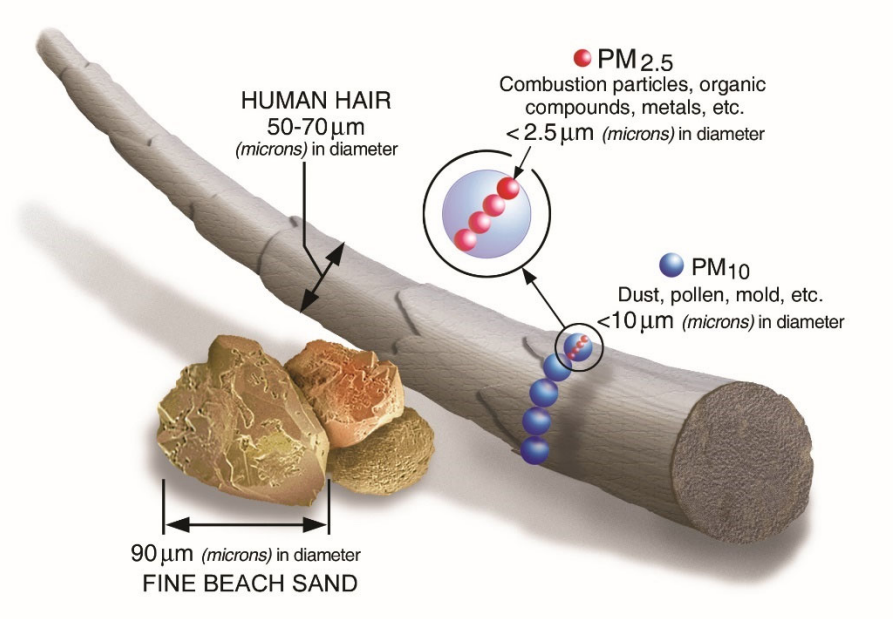
Source: USEPA 2023a

PARTICULATE MATTER

Particulate pollution is composed of solid particles or liquid droplets that are small enough to remain suspended in the air. Of particular concern are those particles that are smaller than or equal to 10 microns (PM_{10}) or 2.5 microns ($PM_{2.5}$) in diameter because they can enter the lungs and bloodstream and cause health problems.

PM_{10} refers to particulate matter less than or equal to 10 microns in diameter, about one-seventh the thickness of a human hair (Figure 5-2). PM_{10} pollution consists of very small liquid and solid particles floating in the air, which can include smoke, soot, dust, salts, acids, and metals. Particulate matter also forms when gases emitted from motor vehicles undergo chemical reactions in the atmosphere. Major sources of PM_{10} include motor vehicles; wood-burning stoves and fireplaces; dust from construction, landfills, and agriculture; wildfires and brush/waste burning; industrial sources; windblown dust from open lands; and atmospheric chemical and photochemical reactions. Suspended particulates produce haze and reduce visibility.

FIGURE 5-2. RELATIVE PARTICULATE MATTER SIZE



Source: USEPA 2023b

Data collected through numerous nationwide studies indicate that most of the PM_{10} comes from fugitive dust, wind erosion, and agriculture and forestry sources.

$PM_{2.5}$ refers to particulates that are 2.5 microns or less in diameter, roughly 1/28th the diameter of a human hair. $PM_{2.5}$ results from fuel combustion (from motor vehicles, power generation, and industrial facilities), residential fireplaces, and wood stoves. In addition, $PM_{2.5}$ can be formed in the atmosphere from gases such as SO_2, NO_X, and VOC. Like PM_{10}, $PM_{2.5}$ can penetrate the human respiratory system's natural defenses and damage the respiratory tract when inhaled. Whereas particles 2.5 to 10 microns in diameter tend to collect in the upper portion of the respiratory system, particles 2.5 microns or less are so tiny that they can penetrate deeper into the lungs and damage lung tissues.

CARBON MONOXIDE

CO is a colorless gas that interferes with the transfer of oxygen to the brain. CO is emitted almost exclusively from the incomplete combustion of fossil fuels. On-road motor vehicle exhaust is the primary source of CO. In cities, 85 to 95 percent of all CO emissions may come from motor vehicle exhaust. Prolonged exposure to high levels of CO can cause headaches, drowsiness, loss of equilibrium, or heart disease. CO levels are generally highest in the colder months of the year when inversion conditions (i.e., when warmer air traps colder air near the ground) are more frequent.

CO concentrations can vary greatly over relatively short distances. Relatively high concentrations of CO are typically found near congested intersections, along heavily used roadways carrying slow-moving traffic, and in areas where atmospheric dispersion is inhibited by urban "street canyon" conditions. Consequently, CO concentrations must be predicted on a microscale basis.

NITROGEN DIOXIDE

NO_2 is a brownish gas that irritates the lungs. It can cause breathing difficulties at high concentrations. As with O_3, NO_2 is not directly emitted. It is formed through a reaction between nitric oxide (NO) and atmospheric oxygen. NO and NO_2 are collectively referred to as NO_X and are major contributors to O_3 formation. NO_2 also contributes to the formation of PM_{10}. At atmospheric concentrations, NO_2 is only potentially irritating. In high concentrations, the result is a brownish red cast to the atmosphere and reduced visibility. There is some indication of a relationship between NO_2 and chronic pulmonary fibrosis. An increase in bronchitis in children (two and three years old) has also been observed at concentrations below 0.3 parts per million (ppm).

LEAD

Lead is a stable element that persists and accumulates both in the environment and in animals. Its principal effects in humans are on the blood-forming, nervous, and renal systems. Lead levels from mobile sources in the urban environment have decreased significantly due to the federally mandated switch to lead-free gasoline, and they are expected to continue to decrease. An analysis of lead emissions from transportation projects is therefore not warranted.

SULFUR DIOXIDE

SO_2 is a product of high sulfur fuel combustion. The main sources of SO_2 are coal and oil used in power stations, industry, and domestic heating. Industrial chemical manufacturing is another source of SO_2. SO_2 is an irritant gas that can harm the human respiratory system and make breathing difficult. People with asthma, particularly children, are sensitive to these effects of SO_2. SO_2 can also yellow plant leaves and corrode iron and steel. Although diesel-fueled heavy-duty vehicles emit SO_2, USEPA and other regulatory agencies do not consider transportation sources to be significant sources of this pollutant.

5.1.1.2 TOXIC AND NON-CRITERIA POLLUTANTS

AIR TOXICS

A toxic air contaminant is defined by California law as an air pollutant that "may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health."[3] USEPA uses the term hazardous air pollutant in a similar sense. Controlling air toxic emissions became a national priority with the passage of the Clean Air Act Amendments of 1990, whereby Congress mandated that the USEPA regulate 188 air toxics, also known as hazardous air pollutants.

For mobile source air toxics (MSAT), the USEPA has assessed the expansive list of 188 air toxics in its latest rule on the Control of Hazardous Air Pollutants from Mobile Sources and identified 93 compounds emitted from mobile sources that are listed in its Integrated Risk Information System. The

[3] California Health and Safety Code §39655(a).

USEPA identified nine compounds with significant contributions from mobile sources that are among national and regional-scale cancer risk drivers or contributors, as well as non-cancer hazard contributors, from the 2011 National Air Toxics Assessment. These nine compounds are 1,3 butadiene, acetaldehyde, acrolein, benzene, DPM, ethylbenzene, formaldehyde, naphthalene, and polycyclic organic matter (POM). This list is subject to change and may be adjusted in consideration of future USEPA rules. The following sections provide brief descriptions of these MSATs.

ACETALDEHYDE

Acetaldehyde is a colorless mobile liquid that is flammable and miscible with water. It has a pungent suffocating odor, but at dilute concentrations, it has a fruity and pleasant odor. Acetaldehyde is ubiquitous in the ambient environment. It is an intermediate product of higher plant respiration and formed as a product of incomplete wood combustion in fireplaces and woodstoves, coffee roasting, burning of tobacco, vehicle exhaust, and coal refining and waste processing. Acetaldehyde is considered to have low acute toxicity from inhalation and moderate acute toxicity from oral or dermal exposure. Acute (short-term) exposure to acetaldehyde may cause irritation of the eyes, skin, and respiratory tract. Symptoms of chronic (long-term) intoxication of acetaldehyde in humans resemble those of alcoholism. No information is available on the reproductive or developmental effects of acetaldehyde in humans. The USEPA considers acetaldehyde to be a probable human carcinogen.

ACROLEIN

Acrolein is a water-white or yellow liquid that burns easily, is readily volatilized, and has a disagreeable odor. It is present as a product of incomplete combustion in the exhausts of stationary equipment (e.g., boilers and heaters) and mobile sources. It is also a secondary pollutant formed through the photochemical reaction of VOCs and NOx in the atmosphere. Acrolein is considered to have high acute toxicity, and it causes upper respiratory tract irritation and congestion in humans. The major effects from chronic (long-term) inhalation of acrolein in humans include general respiratory congestion and eye, nose, and throat irritation. No information is available on the reproductive, developmental, or carcinogenic effects of acrolein in humans. The USEPA considers acrolein data to be inadequate for an assessment of human carcinogenic potential.

BENZENE

Benzene is a volatile, colorless, highly flammable liquid with a sweet odor. Most of the benzene in ambient air is from incomplete combustion of fossil fuels and evaporation from gasoline service stations. Acute inhalation exposure to benzene causes neurological symptoms, such as drowsiness, dizziness, headaches, and unconsciousness in humans. Chronic inhalation of certain levels of benzene causes blood disorders in humans. Benzene specifically affects bone marrow (the tissues that produce blood cells). Aplastic anemia, excessive bleeding, and damage to the immune system (due to changes in blood levels of antibodies and loss of white blood cells) may develop. Available human data on the developmental effects of benzene are inconclusive because of concomitant exposure to other chemicals, inadequate sample size, and lack of quantitative exposure data. The USEPA has classified benzene as a known human carcinogen by inhalation.

1,3-BUTADIENE

1,3-butadiene is a colorless gas with a mild gasoline-like odor. Sources of 1,3-butadiene released into the air include motor vehicle exhaust, manufacturing and processing facilities, forest fires or other combustion, and cigarette smoke. Acute exposure to 1,3-butadiene by inhalation in humans results in irritation of the eyes, nasal passages, throat, and lungs. Neurological effects, such as blurred vision, fatigue, headache, and vertigo, have also been reported at very high exposure levels. One epidemiological study reported that chronic exposure to 1,3-butadiene by inhalation resulted in an increase in cardiovascular diseases, such as rheumatic and arteriosclerotic heart diseases, while other human studies have reported effects on blood. No information is available on reproductive or developmental effects of 1,3-butadiene in humans. The USEPA has classified 1,3-butadiene as a probable human carcinogen by inhalation.

DIESEL PARTICULATE MATTER/DIESEL EXHAUST ORGANIC GASES

DPM/diesel exhaust organic gases are a complex mixture of hundreds of constituents in either a gaseous or particle form. Gaseous components of diesel exhaust include carbon dioxide, oxygen, nitrogen, water vapor, CO, nitrogen compounds, sulfur compounds, and numerous low-molecular-weight hydrocarbons. Among the gaseous hydrocarbon components of diesel exhaust that are individually known to be of toxicological relevance are several carbonyls (e.g., formaldehyde, acetaldehyde, and acrolein), benzene, 1,3-butadiene, and polycyclic aromatic hydrocarbons (PAH) and nitro-PAHs. DPM is composed of a center core of elemental carbon and adsorbed organic compounds, as well as small amounts of sulfate, nitrate, metals, and other trace elements. DPM consists primarily of $PM_{2.5}$, including a subgroup with a large number of particles having a diameter less than 0.1 micrometer. Collectively, these particles have a large surface area, which makes them an excellent medium for adsorbing organic compounds. In addition, their small size makes them highly respirable and able to reach the deep lung. Several potentially toxicologically relevant organic compounds, including PAHs, nitro-PAHs, and oxidized PAH derivatives are on the particles. DPM is emitted from on-road mobile sources, such as automobiles and trucks, and from off-road mobile sources (e.g., diesel locomotives, marine vessels, and construction equipment). DPM is directly emitted from diesel-powered engines (primary PM) and can be formed from the gaseous compounds emitted by diesel engines (secondary PM).

Acute or short-term (e.g., episodic) exposure to diesel exhaust can cause acute irritation (e.g., eye, throat and bronchial), neurophysiological symptoms (e.g., lightheadedness and nausea), and respiratory symptoms (e.g., cough and phlegm). Evidence also exists for an exacerbation of allergenic responses to known allergens and asthma-like symptoms. Information from available human studies is inadequate for a definitive evaluation of possible noncancer health effects from chronic exposure to diesel exhaust. However, on the basis of extensive animal evidence, diesel exhaust is judged to pose a chronic respiratory hazard to humans. The USEPA has determined that diesel exhaust is likely to be carcinogenic to humans by inhalation and that this hazard applies to environmental exposures.

ETHYLBENZENE

Ethylbenzene is a colorless liquid that smells like gasoline. It is used primarily in the production of styrene. Ethylbenzene is also used as a solvent, as a constituent of asphalt and naphtha, and in fuels. Acute (short-term) exposure to ethylbenzene in humans results in respiratory effects, such as throat irritation and chest constriction, irritation of the eyes, and neurological effects such as dizziness. Chronic (long-term) exposure to ethylbenzene by inhalation in humans has shown conflicting results regarding its effects on the blood. No information is available on the reproductive or developmental effects of ethylbenzene in humans. The USEPA has classified ethylbenzene as a Group D (i.e., not classifiable as to human carcinogenicity).

FORMALDEHYDE

Formaldehyde is a colorless gas with a pungent, irritating odor at room temperature. The major emission sources of formaldehyde are power plants, manufacturing facilities, incinerators, and automobile exhaust. However, most of the formaldehyde in ambient air is a result of secondary formation through photochemical reaction of VOCs and NO_X. The major toxic effects caused by acute formaldehyde exposure by inhalation are eye, nose, and throat irritation, and effects on the nasal cavity. Other effects from exposure to high levels of formaldehyde in humans are coughing, wheezing, chest pains, and bronchitis. Chronic exposure to formaldehyde by inhalation in humans has been associated with respiratory symptoms and eye, nose, and throat irritation. The USEPA considers formaldehyde to be a probable human carcinogen.

NAPHTHALENE

Naphthalene is used in the production of phthalic anhydride; it is also used in mothballs. Acute (short-term) exposure of humans to naphthalene by inhalation, ingestion, and dermal contact is associated with hemolytic anemia, damage to the liver, and neurological damage. Cataracts have also been reported in workers acutely exposed to naphthalene by inhalation and ingestion. Chronic (long-term) exposure of workers to naphthalene reportedly causes cataracts and damage to the retina. Hemolytic anemia has been reported in infants born to mothers who sniffed and ingested naphthalene (as mothballs) during pregnancy. Available data are inadequate to establish a causal relationship between exposure to naphthalene and cancer in humans. The USEPA has classified naphthalene as a Group C (i.e., possible human carcinogen).

POLYCYCLIC ORGANIC MATTER

POM defines a broad class of compounds that includes PAHs, of which benzo[a]pyrene is a member. POM compounds are formed primarily by combustion and are present in the atmosphere in particulate form. Sources of air emissions are diverse and include cigarette smoke, vehicle exhaust, home heating, laying tar, and grilling meat. Cancer is the major concern from exposure to POM. Epidemiologic studies have reported an increase in lung cancer in humans exposed to coke oven emissions, roofing tar emissions, and cigarette smoke; all of these mixtures contain POM compounds. Animal studies have reported respiratory tract tumors from inhalation exposure to benzo[a]pyrene and forestomach tumors, leukemia, and lung tumors from oral exposure to benzo[a]pyrene. The

USEPA has classified seven PAHs (benzo[a]pyrene, benz[a]anthracene, chrysene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenz[a h]anthracene, and indeno[1,2,3-cd]pyrene) as Group B2 (i.e., probable human carcinogens).

5.1.2 CLIMATE AND ATMOSPHERIC CONDITIONS

The surrounding atmosphere is an important element in assessing an area's ambient air quality. The Project is located in the SCAB, an approximately 6,745-square-mile area which includes all of Orange County, as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, in addition to the San Gorgonio Pass area in Riverside County. The terrain and geographical location determine the distinctive climate of the SCAB, which is a coastal plain with connecting broad valleys and low hills.

The SCAB is bordered by the Pacific Ocean to the west, the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego County line to the south. Prevailing winds in the SCAB are mainly out of the west. These prevailing winds are due to the proximity of the SCAB to the coast and the blocking nature of the San Bernardino Mountains to the east; air masses pushed onshore into the basin are often trapped by the San Bernardino Mountains.

During the summer, the SCAB is generally influenced by a Pacific subtropical high cell that sits off the coast, inhibiting cloud formation and encouraging daytime solar heating. The SCAB is rarely influenced by cold air masses moving south from Canada and Alaska, since these frontal systems are weak and diffuse as they reach the basin. The SCAB is classified as a dry-hot desert climate.

5.1.3 ATTAINMENT STATUS

Section 107 of the 1977 Clean Air Act Amendment requires that the USEPA publish a list of all geographic areas in compliance with the NAAQS, plus those not attaining the NAAQS. Areas not in NAAQS compliance are deemed nonattainment areas. Areas that have insufficient data to make a determination are deemed unclassified and are treated as being attainment areas until proven otherwise. An area's designation is based on the data collected by the state monitoring network on a pollutant-by-pollutant basis.

The CCAA, signed into law in 1988, requires all areas of the state to achieve and maintain the CAAQS by the earliest practicable date. CAAQS are at least as stringent as, and often more stringent than, NAAQS. CARB also publishes a list of geographic areas in attainment or nonattainment with the CAAQS.

The Project is located in Los Angeles County. As shown in Table 5-1, the USEPA has classified Los Angeles County as a federal nonattainment area for O_3 and $PM_{2.5}$, and a portion of the county is nonattainment for lead. Los Angeles County is listed as a maintenance area for CO and PM_{10}, as it was previously a nonattainment area for these pollutants. CARB has classified Los Angeles County as a state nonattainment area for O_3, PM_{10}, and $PM_{2.5}$.

TABLE 5-1. LOS ANGELES COUNTY ATTAINMENT STATUS

AIR POLLUTANT	FEDERAL ATTAINMENT STATUS	STATE ATTAINMENT STATUS
Carbon Monoxide (CO)	Maintenance	Attainment
Ozone (O_3)	Nonattainment	Nonattainment
Nitrogen Dioxide (NO_2)	Attainment	Attainment
Suspended Particulates (PM_{10})	Maintenance	Nonattainment
Suspended Particulates ($PM_{2.5}$)	Nonattainment	Nonattainment
Lead (Pb)	Nonattainment (Partial)	Attainment
Sulfur Dioxide (SO_2)	Attainment/Unclassified	Attainment

Sources: USEPA 2023d; CARB 2023a
PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter;

5.1.4 LOCAL MONITORED AIR QUALITY

Air pollutant levels in the SCAB are measured at monitoring stations that CARB maintains. The two monitoring stations nearest the Project are located in the City of Los Angeles at the West Los Angeles Veterans Hospital and 1630 North Main Street. The last three years of available monitored data (2020, 2021, and 2022) for these locations are summarized in Table 5-2 to illustrate general air quality trends.

TABLE 5-2. AIR QUALITY SUMMARY FOR NEARBY MONITORING STATIONS

AIR POLLUTANT	STANDARD/EXCEEDANCE*	NORTH MAIN STREET LOS ANGELES			VA HOSPITAL WEST LOS ANGELES		
		2020	2021	2022	2020	2021	2022
Carbon Monoxide (CO)	Max. 1-hour Concentration (ppm)	2.1	2.0	1.7	2.0	1.5	NM
	Max. 8-hour Concentration (ppm)	1.6	1.6	1.5	1.2	1.0	NM
	# Days>Federal 1-hour Std. of >35 ppm	0	0	0	0	0	NM
	# Days>Federal 8-hour Std. of >9 ppm	0	0	0	0	0	NM
Ozone (O_3)	Year Coverage – 1 hour/8 hour**	93/92	93/95	97/99	94/97	96/99	94/96
	Max. 1-hour Concentration (ppm)	0.185	0.099	0.138	0.134	0.095	0.081
	Max. 8-hour Concentration (ppm)	0.118	0.085	0.090	0.092	0.082	0.070
	# Days>Federal 8-hour Std. Of >0.070 ppm	22	2	6	8	1	0
	# Days>California 1-hour Std. Of >0.09 ppm	14	1	1	6	1	0
Nitrogen Dioxide (NO_2)	Year Coverage**	90	92	98	95	98	98
	Max. 1-hour Concentration (ppb)	61.8	77.8	75.1	76.6	60.6	51.4
	98th Percentile 1-hour Concentration (ppb)	55.8	57.3	56.9	43.9	41.6	44.5
	National Annual Standard Design Value (ppb)	18	18	18	11	10	11
	California Annual Average (ppb)	17	17	18	10	10	11
	# Days>California 1-hour Std. of >180 ppb	0	0	0	0	0	0
Sulfur Dioxide (SO_2)	Max. 24-hour Concentration (ppb)	0.9	1.2	1.2	NM	NM	NM
	Annual Average (ppb)	0.23	0.39	0.26	NM	NM	NM
	# Days>Federal 1-hour Std. of >75 ppb	0	0	0	NM	NM	NM
Suspended Particulates (PM_{10})	Year Coverage**	88	97	0	NM	NM	NM
	Max. 24-hr National/State Conc. (µg/m^3)***	83.7/185.2	64.0/138.5	61.0/43.7	NM	NM	NM
	#Days>Fed. 24-hour Std. of>150 µg/m^3	0	0	0	NM	NM	NM
	#Days>California 24-hour Std. of>50 µg/m^3	34	14	0	NM	NM	NM
	National Annual Avg/State Annual Avg (µg/m^3)	33.1/33.9	26.0/30.9	29.4/24.1	NM	NM	NM
Suspended Particulates ($PM_{2.5}$)	Year Coverage**	99	100	99	NM	NM	NM
	Max. 24-hour Concentration (µg/m^3)	175.0	61.0	33.7	NM	NM	NM
	State Annual Average (µg/m^3)	15.0	14.8	11.1	NM	NM	NM
	#Days>Fed. 24-hour Std. of>35 µg/m^3	12	13	0	NM	NM	NM
	National Annual Average (µg/m^3)	13.7	12.8	10.9	NM	NM	NM

Source: CARB 2023b; USEPA 2023e (for CO and SO_2)
* The number of days above the standard is not necessarily the number of violations of the standard for the year.
** *Year Coverage* indicates how extensive monitoring was during the time of year when high pollutant concentrations were expected.
*** State statistics are based on California-approved samplers, whereas national statistics are based on samplers using federal reference or equivalent methods. State and national statistics may therefore be based on different samplers.
µg/m^3 = micrograms per cubic meter; NM = not measured; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; ppb = parts per billion; ppm = parts per million

5.1.5 APPLICABLE STATE IMPLEMENTATION PLAN AND TRANSPORTATION IMPROVEMENT PROGRAM

As described in Section 3.2.4, SCAG is the MPO responsible for carrying out the metropolitan transportation planning process for the SCAG region, which includes Los Angeles County. Every four years, SCAG updates Connect SoCal, its RTP/Sustainable Communities Strategy (SCS) that meets federal and state requirements for infrastructure and sustainable planning. The latest version of Connect SoCal is the 2020-2045 RTP/SCS, which was adopted in 2020 and proposes land use and transportation strategies to improve mobility options and achieve a more sustainable growth pattern (SCAG 2020).

The Project is included in the regional emissions analysis conducted by SCAG for the conforming 2020-2045 RTP/SCS (RTP ID S1160294). The RTP/SCS includes all Project elements, and the Project's design concept and scope have not changed significantly from what was analyzed in the 2020-2045 RTP/SCS. This analysis found that the plan and, therefore, the individual projects contained in the plan, are conforming projects and will have air quality impacts consistent with those identified in the SIPs for achieving the NAAQS. The 2020-2045 RTP/SCS was adopted by SCAG on September 3, 2020.

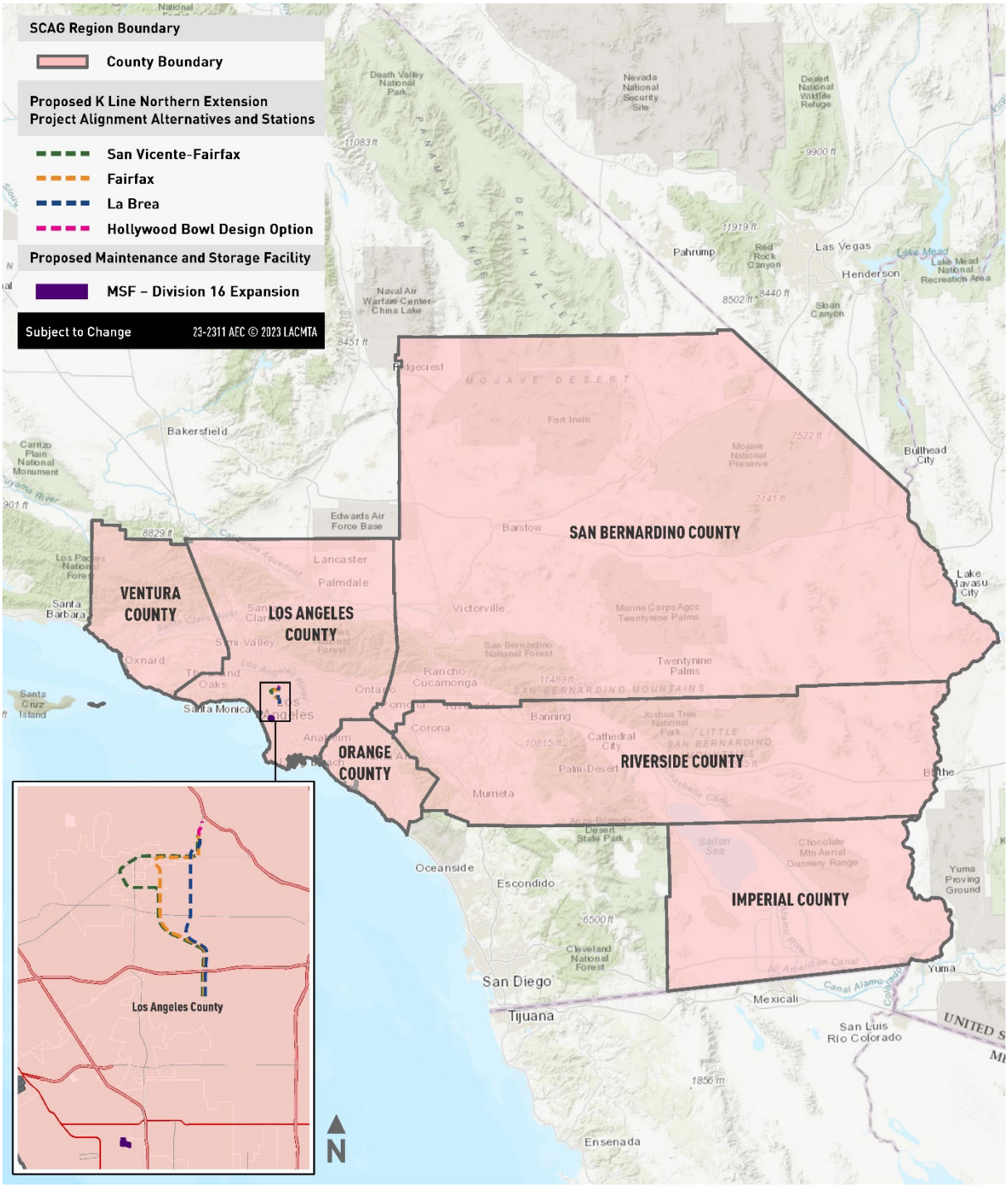
Effective October 31, 2019, USEPA approved the 2008 8-hour O_3 NAAQS SIP in the 2016 South Coast AQMP. As a result, the 2016 South Coast AQMP/Ozone SIP is the applicable Ozone SIP for the SCAB (SCAQMD 2017). On January 26, 2023, CARB adopted the 2022 South Coast AQMP, which will be effective for purposes of federal law upon approval by the USEPA. The 2022 South Coast AQMP incorporates projections of regional growth from the Connect SoCal 2020–2045 RTP/SCS pertaining to population, housing, employment, and vehicle travel within the SCAB into its prescriptive approach for reducing regional air pollution. The 2022 South Coast AQMP includes both stationary and mobile source strategies to address the challenge of reducing NO_x emissions sufficiently to achieve attainment of the O_3 NAAQS (SCAQMD 2022).

5.2 RESOURCE STUDY AREA

As shown in Figure 5-3, the Resource Study Area (RSA) for regional air quality impacts is defined as the SCAG region, which encompasses Los Angeles, Orange, Riverside, Ventura, San Bernardino, and Imperial Counties. Although the RSA is extensive, the analysis focused only on air quality emission sources that would affect or be affected by the Project. Specifically, this report analyzes Project impacts within the SCAG region to capture the changes in traffic-related VMT that could occur as a direct result of the alignment alternatives as determined by the Project traffic analysis (see the KNE Transportation Technical Report). The RSA applies to regional analysis of all alignment alternatives and stations, the design option, and the MSF.

The RSA for localized air quality impacts is the 500 meters (1,640 feet) around each station's construction site along the alignment and the MSF. The RSA is based on the SCAQMD Final LST Methodology, which focuses on preventing near-source pollutant concentrations from reaching or exceeding NAAQS or CAAQS at sensitive receptor locations in close proximity to project sites.

FIGURE 5-3. REGIONAL RESOURCE STUDY AREA



Source: Connect Los Angeles Partners 2023

CHAPTER 6 IMPACTS AND MITIGATION MEASURES

6.1 IMPACT ANALYSIS

This section presents the evaluation of impacts related to air quality, as well as the corresponding mitigation measures, where applicable. Both construction and operational impacts are evaluated. Table 6-23 in Section 6.1.5 provides a summary of the impact conclusions. Construction data developed for the Project is presented in Appendix A. Detailed construction and operational emission calculations and model outputs can be found in Appendix B and Appendix C, respectively.

Project measures are design elements, best management practices, or other commitments that Metro implements as part of all alignment alternatives and stations, the design option, and the MSF to reduce or avoid environmental effects associated with the Project. Project measures are not the same as mitigation measures, which are used to reduce an environmental impact's significance level. Where applicable, project measures are identified here as part of the evaluation of environmental impacts in this chapter.

6.1.1 PM AQ-1: METRO GREEN CONSTRUCTION POLICY

Established by formal adoption of the Green Construction Policy in 2011, Metro commits to the following construction equipment requirements, construction best management practices (BMPs), and implementation strategies for all construction projects performed on Metro properties or rights-of-way (Metro 2011):

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.
- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.
- Generators: every effort shall be made to utilize grid-based electric power at any construction site, where feasible. Where access to the power grid is not available, on-site generators must:
  - Meet a 0.01 gram per brake-horsepower-hour standard for particulate matter; or
  - Be equipped with Best Available Control Technology for particulate matter emissions reductions.

- Inspections: Metro shall conduct inspections of construction sites and affected off-road and on-road equipment and generator as well as compliance with air quality rules.
- Records: Prior to Notice to Proceed to commence construction and to be verified afterwards consistent with project contract requirements and through enforcement provisions above, the Contractor shall submit to Metro the following information for all construction equipment to be used on Metro properties or rights-of-way:
  - A certified statement that all construction equipment used conform to the requirements specified above;
  - A list of all the equipment and vehicles (i.e., off-road equipment, include the CARB-issued Equipment Identification Number) to be used; and
  - A copy of each Contractor's certified USEPA rating and applicable paperwork issued either by CARB, SCAQMD, and any other jurisdiction that has oversight over the equipment.

6.1.2 PM AQ-2: SCAQMD RULE 403

Construction of the Project would implement the following BMPs in compliance with SCAQMD Rule 403 – Fugitive Dust (SCAQMD 2005):

- Backfilling: Backfill material stabilization when actively handling or inactive and stabilize soil at completion of activity.
- Clearing/grubbing: Maintain stability of soil through watering of site prior to, during, and after all clearing/grubbing activities.
- Cut and fill: Pre-water soils prior to cut and fill activities using water trucks; stabilize soil during and after activities.
- Debris hauling: All trucks hauling dirt, sand, soil, or other loose materials are to be tarped with a fabric cover and maintain a freeboard height of 12 inches.
- Demolition activities: Prohibit demolition activities when wind speeds exceed 25 miles per hour; apply water to disturbed soils after demolition is completed or at the end of each day of cleanup.
- Disturbed soil: Stabilize disturbed soil throughout the construction site by limiting vehicular traffic and disturbance on soil where possible and applying water or a stabilizing agent in sufficient quantities to prevent the generation of visible dust plumes (Rule 401 – Visible Emissions).
- Disturbed surface areas: Apply dust suppression in sufficient quantity and frequency to maintain a stabilized surface; apply water at three-hour intervals to at least 80 percent of the unstabilized area.
- Earth-moving activities: Pre-apply water to depth of proposed cuts and reapply as necessary to maintain soils in a damp condition and to ensure that visible dust plumes do not exceed 100 feet in any direction.
- Importing/exporting of bulk materials: Stabilize material with tarps or other suitable enclosures on trucks while loading/unloading to reduce fugitive dust emissions and maintain at least six

inches of freeboard on haul vehicle; provide water during loading/unloading to prevent dust plumes.

- Staging areas and unpaved roads: Stabilize surface areas and limit vehicle speeds to 15 miles per hour.
- Stockpiles/bulk material handling: stabilize stockpiled materials with intermittent watering and limit stockpiles to eight feet in height within 100 yards of off-site occupied buildings.
- Trenching: Stabilize surface soils with pre-watering where trencher or excavator and support equipment will operate; wash mud and soils from equipment at completion of activities.

6.1.3 PM AQ-3: METRO 2020 MOVING BEYOND SUSTAINABILITY STRATEGIC PLAN

Construction and operation of the Project will adhere to the commitments established by the MBSSP 2020, including, but not limited to, the application of renewable diesel requirements for contractors, the implementation of the Construction and Demolition Debris Policy, the identification of opportunities to decarbonize fuel sources at construction sites, the use of electric medium- and heavy-duty equipment during construction, and the design and build of capital projects to CalGreen Tier 2 standards (Metro 2020).

6.1.4 PM AQ-4: METRO DESIGN STANDARDS

The Project will be designed in accordance with the Metro Rail Design Criteria and the Metro Systemwide Station Design Standards Policy, which includes the installation of high-efficiency LED lighting in all fixtures to reduce electricity consumption (Metro 2017, 2018).

6.1.1 IMPACT AQ-1: AIR QUALITY PLAN

Impact AQ-1: Would the Project conflict with or obstruct implementation of the applicable air quality plan?

The applicable air quality plans are the SCAQMD 2016 AQMP (approved by USEPA), SCAQMD 2022 AQMP (approved by CARB and awaiting USEPA approval), and the conforming SCAG 2020-2045 RTP/SCS. As indicated in the SCAQMD Handbook (SCAQMD 1993), a project is consistent with the AQMP if:

- The project does not result in an increase to the frequency or severity of an existing air quality violation;
- The project does not cause or contribute to new air quality violations;
- The project does not delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP;
- The project is consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based;
- Project development is consistent with AQMP land use policies; and
- The project is consistent with the applicable mitigation measures assumed in preparation of the AQMP.

The Project was identified as a Strategic Project in the SCAG 2020-2045 RTP/SCS and was incorporated into its regional growth projections and transportation strategies. The SCAG 2020-2045 RTP/SCS conforms with the USEPA-approved SCAQMD 2016 AQMP, which is the applicable Ozone SIP for SCAB; SCAQMD's 2022 AQMP will be effective for purposes of federal law upon approval by the USEPA and relied on transportation, land use, and growth assumptions included in SCAG's 2020-2045 RTP/SCS in the development of its growth and regional air quality projections. Additional information regarding these plans is presented in Section 5.1.5, Applicable State Implementation Plan and Transportation Improvement Program.

Lowering passenger vehicle VMT is a universal focus of a number of climate action plans, including the 2022 Assembly Bill 32 Scoping Plan for Achieving Carbon Neutrality, the California State Transportation Agency Climate Action Plan for Transportation Infrastructure, Metro's 2019 Climate Action and Adaptation Plan, the City of Los Angeles' Sustainable City pLAn (2015) and LA's Green New Deal (the updated version of the pLAn, 2019), and the City of West Hollywood's 2021 WeHo Climate Action Plan. Lowering passenger vehicle VMT reduces emissions of all criteria pollutants in addition to the GHG emissions reductions called for by these plans.

6.1.1.1 ALIGNMENT ALTERNATIVE 1: SAN VICENTE-FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the San Vicente-Fairfax Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

Construction activities would generate temporary emissions of regulated air pollutants, which would cease upon completion of construction of the light rail transit corridor. As discussed under Impact AQ-2 in Section 6.1.2.1, emissions from construction activities would not exceed applicable SCAQMD thresholds for all criteria pollutants during construction of the San Vicente-Fairfax Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Project measures PM AQ-1, PM AQ-2, and PM AQ-3 would be implemented throughout construction to avoid and minimize air pollutant emissions by following equipment and fuel requirements and controlling fugitive dust.

As discussed in the KNE Growth Inducing Impacts Technical Report, construction of the San Vicente-Fairfax Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, construction of the San Vicente-Fairfax Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, construction of the San Vicente-Fairfax Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the San Vicente-Fairfax Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

As discussed under Impact AQ-2 in Section 6.1.2.1, the change in regional emissions would not exceed applicable SCAQMD thresholds for all criteria pollutants during operation of the San Vicente-Fairfax Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations.

As shown in Table 6-1, regional passenger vehicle VMT under the San Vicente-Fairfax Alignment Alternative would be reduced by 49,448,375 as compared to the 2045 without Project conditions. This is consistent with key objectives of the SCAG 2020-2045 RTP/SCS related to the expansion of high-quality transit infrastructure and reduction of VMT and the VMT-reducing objectives of the AQMP's Transportation Control Measures. Therefore, the San Vicente-Fairfax Alignment Alternative would not delay the timely attainment of air quality standards or interim emission reductions specified in the AQMP. The Project, including the San Vicente-Fairfax Alignment Alternative, is included in the conforming SCAG 2020-2045 RTP/SCS.

TABLE 6-1. SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE VEHICLE MILES TRAVELED

CONDITION	ANNUAL VMT
San Vicente-Fairfax Alignment Alternative (2045)	214,090,029,819
2045 without Project Conditions	214,139,478,194
Change in VMT due to Project	-49,448,375

Source: Connect Los Angeles Partners 2023
VMT = vehicle miles traveled

Operation of the San Vicente-Fairfax Alignment Alternative would not introduce a new permanent source of air pollutant emissions to the SCAB. LRVs would be propelled by electricity and would not directly consume petroleum fuels, the combustion of which would create air pollutant emissions. Emissions of criteria air pollutants that would be produced indirectly at electricity generating facilities are regulated under permitting programs administered by SCAQMD and are not under the purview of CEQA for the Project. Additionally, project measure PM AQ-4 would require use of high-efficiency LED lighting in light fixtures at stations and other facilities, consistent with SCAQMD AQMP measure ECC-02: Co-Benefits from Existing and Future Residential and Commercial Building Energy Efficiency Measures.

As discussed in the KNE Growth Inducing Impacts Technical Report, operation of the San Vicente-Fairfax Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, operation of the San Vicente-Fairfax Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, operation of the San Vicente-Fairfax Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

6.1.1.2 ALIGNMENT ALTERNATIVE 2: FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the Fairfax Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

Construction activities would generate temporary emissions of regulated air pollutants, which would cease upon completion of construction of the light rail transit corridor. As discussed under Impact AQ-2 in Section 6.1.2.2, emissions from construction activities would not exceed applicable SCAQMD thresholds for all criteria pollutants during operation of the Fairfax Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Project measures PM AQ-1, PM AQ-2, and PM AQ-3 would be implemented throughout construction to avoid and minimize air pollutant emissions by following equipment and fuel requirements and controlling fugitive dust.

As discussed in the KNE Growth Inducing Impacts Technical Report, construction of the Fairfax Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, construction of the Fairfax Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, construction of the Fairfax Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the Fairfax Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air

quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

As discussed under Impact AQ-2 in Section 6.1.2.2, the change in regional emissions would not exceed applicable SCAQMD thresholds for all criteria pollutants during operation of the Fairfax Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations.

As shown in Table 6-2, regional passenger vehicle VMT under the Fairfax Alignment Alternative would be reduced by 46,518,885 as compared to the 2045 without Project conditions. This is consistent with key objectives of the SCAG 2020-2045 RTP/SCS related to the expansion of high-quality transit infrastructure and reduction of VMT and the VMT-reducing objectives of the AQMP's Transportation Control Measures. Therefore, the Fairfax Alignment Alternative would not delay the timely attainment of air quality standards or interim emission reductions specified in the AQMP. The Project, including the Fairfax Alignment Alternative, is included in the conforming SCAG 2020-2045 RTP/SCS.

TABLE 6-2. FAIRFAX ALIGNMENT ALTERNATIVE VEHICLE MILES TRAVELED

CONDITION	ANNUAL VMT
Fairfax Alignment Alternative (2045)	214,092,959,309
2045 without Project Conditions	214,139,478,194
Change in VMT due to Project	-46,518,885

Source: Connect Los Angeles Partners 2023
VMT = vehicle miles traveled

Operation of the Fairfax Alignment Alternative would not introduce a new permanent source of air pollutant emissions to the SCAB. LRVs would be propelled by electricity and would not directly consume petroleum fuels, the combustion of which would create air pollutant emissions. Emissions of criteria air pollutants that would be produced indirectly at electricity generating facilities are regulated under permitting programs administered by SCAQMD and are not under the purview of CEQA for the Project. Additionally, project measure PM AQ-4 would require use of high-efficiency LED lighting in light fixtures at stations and other facilities, consistent with SCAQMD AQMP measure ECC-02: Co-Benefits from Existing and Future Residential and Commercial Building Energy Efficiency Measures.

As discussed in the KNE Growth Inducing Impacts Technical Report, operation of the Fairfax Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, operation of the Fairfax Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, operation of the Fairfax Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

6.1.1.3 ALIGNMENT ALTERNATIVE 3: LA BREA

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the La Brea Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

Construction activities would generate temporary emissions of regulated air pollutants, which would cease upon completion of construction of the light rail transit corridor. As discussed under Impact AQ-2 in Section 6.1.2.3, emissions from construction activities would not exceed applicable SCAQMD thresholds for all criteria pollutants during construction of the La Brea Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Project measures PM AQ-1, PM AQ-2, and PM AQ-3 would be implemented throughout construction to avoid and minimize air pollutant emissions by following equipment and fuel requirements and controlling fugitive dust.

As discussed in the KNE Growth Inducing Impacts Technical Report, construction of the La Brea Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, construction of the La Brea Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, construction of the La Brea Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the La Brea Alignment Alternative would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

As discussed under Impact AQ-2 in Section 6.1.2.3, the change in regional emissions would not exceed applicable SCAQMD thresholds for all criteria pollutants during operation of the La Brea Alignment Alternative and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations.

As shown in Table 6-3, regional passenger vehicle VMT under the La Brea Alignment Alternative would be reduced by 49,456,770 as compared to the 2045 without Project conditions. This is consistent with key objectives of the SCAG 2020-2045 RTP/SCS related to the expansion of high-quality transit infrastructure and reduction of VMT and the VMT-reducing objectives of the AQMP's Transportation Control Measures. Therefore, the La Brea Alignment Alternative would not delay the timely attainment of air quality standards or interim emission reductions specified in the AQMP. The Project, including the La Brea Alignment Alternative, is included in the conforming SCAG 2020-2045 RTP/SCS.

TABLE 6-3. LA BREA ALIGNMENT ALTERNATIVE VEHICLE MILES TRAVELED

CONDITION	ANNUAL VMT
La Brea Alignment Alternative (2045)	214,090,021,424
2045 without Project Conditions	214,139,478,194
Change in VMT due to Project	-49,456,770

Source: Connect Los Angeles Partners 2023
VMT = vehicle miles traveled

Operation of the La Brea Alignment Alternative would not introduce a new permanent source of air pollutant emissions to the SCAB. LRVs would be propelled by electricity and would not directly consume petroleum fuels, the combustion of which would create air pollutant emissions. Emissions of criteria air pollutants that would be produced indirectly at electricity generating facilities are regulated under permitting programs administered by SCAQMD and are not under the purview of CEQA for the Project. Additionally, project measure PM AQ-4 would require use of high-efficiency LED lighting in light fixtures at stations and other facilities, consistent with SCAQMD AQMP measure ECC-02: Co-Benefits from Existing and Future Residential and Commercial Building Energy Efficiency Measures.

As discussed in the KNE Growth Inducing Impacts Technical Report, operation of the La Brea Alignment Alternative would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, operation of the La Brea Alignment Alternative would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, operation of the La Brea Alignment Alternative would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

6.1.1.4 HOLLYWOOD BOWL DESIGN OPTION

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the Hollywood Bowl Design Option would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase to the frequency or severity of an existing air quality violation, cause or contribute to new air

quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

Construction activities would generate temporary emissions of regulated air pollutants, which would cease upon completion of construction of the light rail transit corridor. As discussed under Impact AQ-2 in Section 6.1.2.4, emissions from construction activities would not exceed applicable SCAQMD thresholds for all criteria pollutants during construction of the Hollywood Bowl Design Option and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Project measures PM AQ-1, PM AQ-2, and PM AQ-3 would be implemented throughout construction to avoid and minimize air pollutant emissions by following equipment and fuel requirements and controlling fugitive dust.

As discussed in the KNE Growth Inducing Impacts Technical Report, construction of the Hollywood Bowl Design Option would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, construction of the Hollywood Bowl Design Option would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, construction of the Hollywood Bowl Design Option would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the Hollywood Bowl Design Option would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

As discussed under Impact AQ-2 in Section 6.1.2.4, the Metro Corridor Based Model 2018c forecasts that the Hollywood Bowl Design Option would not contribute to a meaningful change in regional VMT beyond that expected with implementation of the alignment alternatives, and there would be no additional impacts to operational criteria pollutant emissions. The change in regional emissions would not exceed applicable SCAQMD thresholds for all criteria pollutants during operation of the Hollywood Bowl Design Option and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Operation of the Hollywood Bowl Design Option would not delay the timely attainment of air quality standards or interim emission reductions specified in the AQMP. The Project, including the Hollywood Bowl Design Option, is included in the conforming SCAG 2020-2045 RTP/SCS.

Operation of the Hollywood Bowl Design Option would not introduce a new permanent source of air pollutant emissions to the SCAB. LRVs would be propelled by electricity and would not directly consume petroleum fuels, the combustion of which would create air pollutant emissions. Emissions of

criteria air pollutants that would be produced indirectly at electricity generating facilities are regulated under permitting programs administered by SCAQMD and are not under the purview of CEQA for the Project. Additionally, project measure PM AQ-4 would require use of high-efficiency LED lighting in light fixtures at stations and other facilities, consistent with SCAQMD AQMP measure ECC-02: Co-Benefits from Existing and Future Residential and Commercial Building Energy Efficiency Measures.

As discussed in the KNE Growth Inducing Impacts Technical Report, operation of the Hollywood Bowl Design Option would not introduce new population or housing growth in the RSA and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, operation of the Hollywood Bowl Design Option would be consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, operation of the Hollywood Bowl Design Option would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

6.1.1.5 MAINTENANCE AND STORAGE FACILITY

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the MSF would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase to the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

Construction activities would generate temporary emissions of regulated air pollutants, which would cease upon completion of construction. As discussed under Impact AQ-2 in Section 6.1.2.5, emissions from construction activities would not exceed applicable SCAQMD thresholds for all criteria pollutants during construction of the MSF and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations. Project measures PM AQ-1, PM AQ-2, and PM AQ-3 would be implemented throughout construction to avoid and minimize air pollutant emissions by following equipment and fuel requirements and controlling fugitive dust.

As discussed in the KNE Growth Inducing Impacts Technical Report, construction of the MSF would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, construction of the MSF is consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, construction of the MSF would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the MSF would not conflict with or obstruct the implementation of the applicable plans because the Project would not result in an increase in the frequency or severity of an existing air quality violation, cause or contribute to new air quality violations, or delay the timely attainment of the air quality standards or the interim emission reductions specified in the AQMP.

As discussed under Impact AQ-2 in Section 6.1.2.5, employee commute trips associated with operation of the MSF are included in the regional VMT projections used to evaluate the vehicle emissions from the alignment alternatives, and there would be no additional impacts to regional operational criteria pollutant emissions associated with operational vehicle travel.

MSF Section 1 would include the addition of four storage tracks to the Division 16 Maintenance Yard, the existing MSF for the Metro K Line near LAX. MSF Section 2 would include expansion of the existing Division 16 MSF site on the adjacent 16.5-acre site, as shown in in Figure 2-3. The MSF additions would provide equipment and facilities to accommodate daily servicing and cleaning, inspection and repairs, and storage of LRVs that are not in service. Additionally, project measure PM AQ-4 would require use of high-efficiency LED lighting in light fixtures at stations and other facilities. As discussed under Impact AQ-2 in Section 6.1.2.5, emissions from operations and maintenance activities at the MSF would not exceed applicable SCAQMD thresholds for all criteria pollutants and would therefore not contribute to new air quality violations or an increase in the frequency or severity of existing air quality violations.

The Project, including the MSF, is included in the conforming SCAG 2020-2045 RTP/SCS. As discussed in the KNE Growth Inducing Impacts Technical Report, operation of the MSF would not introduce new population or housing growth in the RSA, and any additional employment at Metro-operated facilities would not disproportionately contribute to the growth projections in the SCAG 2020-2045 RTP/SCS. Therefore, operation of the MSF is consistent with the population and employment growth projections upon which the AQMP-forecasted emission levels are based.

For the reasons described above, operation of the MSF would not conflict with or obstruct implementation of the applicable air quality plans and would have a less than significant impact related to air quality plans.

6.1.2 IMPACT AQ-2: REGIONAL CRITERIA POLLUTANT EMISSIONS

Impact AQ-2: Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard?

The SCAG region is the RSA for evaluation of regional impacts for air quality to capture all changes to regional VMT; however, the applicable attainment designations are those for the SCAB. The SCAB is currently designated as being in nonattainment of the federal and/or state ambient air quality standards for O_3, PM_{10}, and $PM_{2.5}$. SCAQMD has promulgated guidance related to cumulatively considerable emissions, stating that if daily emissions associated with implementation of a project do

not exceed regional significance threshold values, those emissions would not be considered cumulatively considerable and significant. As a result, SCAQMD's project-specific and cumulative significance thresholds are the same. SCAQMD's significance thresholds acknowledge regional sources already contributing to nonattainment and other current and future individual projects. Daily air pollutant emissions that would be generated by construction and operation of each of the alignment alternatives, the design option, and the MSF are evaluated in the context of the SCAQMD air quality significance thresholds that were presented in Table 4-1.

6.1.2.1 ALIGNMENT ALTERNATIVE 1: SAN VICENTE-FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction emissions associated with the San Vicente–Fairfax Alignment Alternative would be generated from heavy-duty construction equipment exhaust; fugitive dust (particulate matter) from material movement and ground disturbance; exhaust from worker vehicle travel to and from the Project site; exhaust from haul trucks, delivery trucks, and cement trucks importing and exporting material to the Project site; and on-road re-entrained dust and brake and tire wear. Criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1.

The San Vicente–Fairfax Alignment Alternative would be constructed in three sections. Section 1 would extend from the Expo/Crenshaw Station to the Wilshire/Fairfax Station. Section 2 would extend from the Section 1 terminus at the Wilshire/Fairfax Station to the San Vicente/Santa Monica Station. Section 3 would extend from the Section 2 terminus at the San Vicente/Santa Monica Station to the northern terminus at either the Hollywood/Highland Station or the optional Hollywood Bowl Station.

The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the San Vicente–Fairfax Alignment Alternative. Project activities associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of the alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. No MSF construction would occur concurrently with Section 3.

This analysis assumes that each of the three sections of the San Vicente–Fairfax Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. Since alignment alternative Section 1 construction and MSF Section 1 additions would occur concurrently, criteria pollutant emissions were considered together when determining maximum daily emissions for comparison to the thresholds. Similarly, criteria pollutant emissions from concurrent construction of alignment alternative Section 2 and MSF Section 2 were considered together when determining maximum daily emissions for comparison to the thresholds. If concurrent construction of alignment alternative sections is expected, further analysis will be needed to determine combined air quality impacts. As a result of uncertainty in the timing for construction of each section, 2041 was used as a representative "Year 1" for all sections when calculating criteria pollutant emissions since it is the first anticipated construction year for the Project.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all construction activities over the entire construction period to determine the maximum Project daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the entire construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Table 6-4 presents the maximum daily criteria pollutant emissions that would be generated during construction of each section of the San Vicente–Fairfax Alignment Alternative, including construction of Section 1 of the alignment alternative concurrently with Section 1 of the MSF, as well as Section 2 of the alignment alternative concurrently with Section 2 of the MSF; it also identifies SCAQMD Air Quality Significance Thresholds for mass daily emissions at the regional level. SCAQMD's guidance states that CEQA projects may emit air pollutants at quantities below the air quality significance thresholds without being considered significant at the project or cumulatively considerable level. Projects that generate emissions in excess of the project-specific thresholds are also considered to be cumulatively considerable and significant.

As shown in Table 6-4, maximum daily emissions estimates for each section of the San Vicente–Fairfax Alignment Alternative with concurrent MSF Section 1 and Section 2 construction would be below SCAQMD's mass daily CEQA thresholds.

All construction activities would be conducted in accordance with project measures PM AQ-1, PM AQ-2, and PM AQ-3 to avoid and minimize emissions. Reductions in fugitive dust emissions (affecting PM_{10} and $PM_{2.5}$ emissions) associated with watering as required by SCAQMD Rule 403 (see PM AQ-2) were included in the emission calculations. However, due to uncertainty in the availability of equipment and renewable diesel fuel in the vicinity of the Project at the time of construction, emission reductions from other project measures were not accounted for in the construction emission estimates. Therefore, actual construction emissions are expected to be lower than those estimated, and as a result this analysis is conservative.

While there would be a temporary increase in emissions of criteria pollutants from construction of the San Vicente–Fairfax Alignment Alternative, maximum daily regional emissions would be below SCAQMD CEQA significance thresholds. In accordance with SCAQMD CEQA guidance, because emissions from construction would remain below the project-level CEQA thresholds, the emissions would also be considered less than significant at the cumulatively considerable level (SCAQMD 1993). Therefore, construction of the San Vicente–Fairfax Alignment Alternative would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment, and the impact related to generation of regional criteria pollutant emissions during construction would be less than significant.

TABLE 6-4. SAN VICENTE–FAIRFAX ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 1: Expo/Crenshaw Station to Wilshire/Fairfax Station with MSF Section 1 [2]	3	56	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
Section 2: Wilshire/Fairfax Station to San Vicente/Santa Monica Station with MSF Section 2 [3]	4	60	83	0	17	6
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
Section 3: San Vicente/Santa Monica Station to Hollywood/Highland Station	4	86	80	1	26	9
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023

[1] The analysis assumes that each of the three sections of the San Vicente–Fairfax Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction is expected, further analysis will be needed to determine combined air quality impacts.

[2] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the San Vicente-Fairfax Alignment Alternative. MSF Section 1 would be constructed concurrently with alignment alternative Section 1 and would include the addition of four storage tracks to the existing Division 16 site. As such, daily criteria pollutant emissions associated with MSF Section 1 construction have been included with alignment alternative Section 1 daily emissions when determining maximum daily emissions for comparison to the thresholds.

[3] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the San Vicente-Fairfax Alignment Alternative. MSF Section 2 would be constructed concurrently with alignment alternative Section 2 and would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. As such, daily criteria pollutant emissions associated with MSF Section 2 construction have been included with alignment alternative Section 2 daily emissions when determining maximum daily emissions for comparison to the thresholds.

CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

OPERATIONAL IMPACTS

Less than Significant Impact. Operational criteria air pollutant emission sources under the San Vicente-Fairfax Alignment Alternative include exhaust from motor vehicle VMT in the RSA. Emissions associated with exhaust from motor vehicle VMT would be reduced under the San Vicente-Fairfax Alignment Alternative as compared to 2045 without Project Conditions due to increased transit use. The stations would not have designated parking, and the small amount of vehicle trips to and from the stations are included in the regional VMT forecasts. LRVs would be electrically powered and would not directly generate criteria pollutant emissions.

As presented in Table 6-5, there would be a net reduction in operational regional emissions of VOC, CO, NOx, sulfur oxides (SOx), PM_{10}, and $PM_{2.5}$ under the San Vicente-Fairfax Alignment Alternative, primarily due to the reduction in motor vehicle VMT associated with ridership of the Project. Therefore, impacts with respect to regional criteria pollutant emissions from operation of the San Vicente-Fairfax Alignment Alternative would be less than significant.

TABLE 6-5. SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE OPERATIONAL REGIONAL CRITERIA POLLUTANT EMISSIONS

	DAILY EMISSIONS (LBS/DAY)					
EMISSION SOURCE	VOC	CO	NOx	SO_X	PM_{10}	$PM_{2.5}$
SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE (2045)						
Regional Traffic	9,252	646,974	85,879	3,548	32,391	11,313
2045 WITHOUT PROJECT CONDITIONS						
Regional Traffic	9,254	647,123	85,899	3,549	32,398	11,316
SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE (2045) COMPARED TO 2045 WITHOUT PROJECT CONDITIONS						
Net Project Emissions[1,2]	(2)	(149)	(20)	(1)	(7)	(3)
SCAQMD Threshold	55	550	55	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Connect Los Angeles Partners 2023
[1] Totals may vary due to rounding.
[2] Emission reductions (i.e., beneficial impacts) are shown in parentheses.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SO_X = sulfur oxides; VOC = volatile organic compounds

6.1.2.2 ALIGNMENT ALTERNATIVE 2: FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction emissions associated with the Fairfax Alignment Alternative would be generated from heavy-duty construction equipment exhaust; fugitive dust (particulate matter) from material movement and ground disturbance; exhaust from worker vehicle travel to and from the Project site; exhaust from haul trucks, delivery trucks, and cement trucks importing and exporting material to the Project site; and on-road re-entrained dust and brake and tire wear. Criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1.

The Fairfax Alignment Alternative would be constructed in two sections. Section 1 would extend from the Expo/Crenshaw Station to the Wilshire/Fairfax Station. Section 2 would extend from the Section 1 terminus at the Wilshire/Fairfax Station to the northern terminus at either the Hollywood/Highland Station or the optional Hollywood Bowl Station.

The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the Fairfax Alignment Alternative. Project activities

associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of the alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site.

This analysis assumes that the two sections of the Fairfax Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. Since alignment alternative Section 1 construction and MSF Section 1 additions would occur concurrently, criteria pollutant emissions were considered together when determining maximum daily emissions for comparison to the thresholds. Similarly, criteria pollutant emissions from concurrent construction of alignment alternative Section 2 and MSF Section 2 were considered together when determining maximum daily emissions for comparison to the thresholds. If concurrent construction of alignment alternative sections is expected, further analysis will be needed to determine combined air quality impacts. As a result of uncertainty in the timing for construction of each section, 2041 was used as a representative "Year 1" for all sections when calculating criteria pollutant emissions since it is the first anticipated construction year for the Project.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all construction activities over the entire construction period to determine the maximum Project daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the entire construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and be lower on average than the calculated daily maximums.

Table 6-6 presents the maximum daily criteria pollutant emissions that would be generated during construction of each section of the Fairfax Alignment Alternative, including construction of Section 1 of the alignment alternative concurrently with Section 1 of the MSF, as well as Section 2 of the alignment alternative concurrently with Section 2 of the MSF; it also identifies SCAQMD Air Quality Significance Thresholds for mass daily emissions at the regional level. SCAQMD's guidance states that CEQA projects may emit air pollutants at quantities below the air quality significance thresholds without being considered significant at the project or cumulatively considerable level. Projects that generate emissions in excess of the project-specific thresholds are also considered to be cumulatively considerable and significant.

As shown in Table 6-6, maximum daily emissions estimates for each section of the Fairfax Alignment Alternative with concurrent MSF Section 1 and Section 2 construction would be below SCAQMD's mass daily CEQA thresholds.

TABLE 6-6. FAIRFAX ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 1: Expo/Crenshaw Station to Wilshire/Fairfax Station with MSF Section 1 [2]	3	56	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
Section 2: Wilshire/Fairfax Station to Hollywood/Highland Station with MSF Section 2 [3]	5	91	102	1	29	11
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023

[1] The analysis assumes that the two sections of the Fairfax Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction is expected, further analysis will be needed to determine combined air quality impacts.

[2] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the Fairfax Alignment Alternative. MSF Section 1 would be constructed concurrently with alignment alternative Section 1 and would include the addition of four storage tracks to the existing Division 16 site. As such, daily criteria pollutant emissions associated with MSF Section 1 construction have been included with alignment alternative Section 1 daily emissions when determining maximum daily emissions for comparison to the thresholds.

[3] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the Fairfax Alignment Alternative. MSF Section 2 would be constructed concurrently with alignment alternative Section 2 and would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. As such, daily criteria pollutant emissions associated with MSF Section 2 construction have been included with alignment alternative Section 2 daily emissions when determining maximum daily emissions for comparison to the thresholds.

CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

All construction activities would be conducted in accordance with the project measures PM AQ-1, PM AQ-2, and PM AQ-3 to avoid and minimize emissions. Reductions in fugitive dust emissions (affecting PM_{10} and $PM_{2.5}$ emissions) associated with watering as required by SCAQMD Rule 403 (see PM AQ-2) were included in the emission calculations. However, due to uncertainty in the availability of equipment and renewable diesel fuel in the vicinity of the Project at the time of construction, emission reductions from other project measures were not accounted for in the construction emission estimates. Therefore, actual construction emissions are expected to be lower than those estimated, and as a result this analysis is conservative.

While there would be a temporary increase in emissions of criteria pollutants from construction of the Fairfax Alignment Alternative, maximum daily regional emissions would be below SCAQMD CEQA significance thresholds. In accordance with SCAQMD CEQA guidance, because emissions from construction would remain below the project-level CEQA thresholds, the emissions would also be considered less than significant at the cumulatively considerable level (SCAQMD 1993). Therefore, construction of the Fairfax Alignment Alternative would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment, and the impact related

to generation of regional criteria pollutant emissions during construction would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operational criteria air pollutant emission sources under the Fairfax Alignment Alternative include exhaust from motor vehicle VMT in the RSA. Emissions associated with exhaust from motor vehicle VMT would be reduced under the Fairfax Alignment Alternative as compared to 2045 without Project Conditions due to increased transit use. The stations would not have designated parking, and the small amount of vehicle trips to and from the stations are included in the regional VMT forecasts. LRVs would be electrically powered and would not generate any direct criteria pollutant emissions.

As presented in Table 6-7, there would be a net reduction in operational regional emissions of VOC, CO, NO_X, SOx, PM_{10}, and $PM_{2.5}$ under the Fairfax Alignment Alternative, primarily due to the reduction in motor vehicle VMT associated with ridership of the Project. Therefore, impacts with respect to regional criteria pollutant emissions from operation of the Fairfax Alignment Alternative would be less than significant.

TABLE 6-7. FAIRFAX ALIGNMENT ALTERNATIVE OPERATIONAL REGIONAL CRITERIA POLLUTANT EMISSIONS

EMISSION SOURCE	DAILY EMISSIONS (LBS/DAY)					
	VOC	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
FAIRFAX ALIGNMENT ALTERNATIVE (2045)						
Regional Traffic	9,252	646,983	85,880	3,548	32,391	11,313
2045 WITHOUT PROJECT CONDITIONS						
Regional Traffic	9,254	647,123	85,899	3,549	32,398	11,316
FAIRFAX ALIGNMENT ALTERNATIVE (2045) COMPARED TO 2045 WITHOUT PROJECT CONDITIONS						
Net Project Emissions[1,2]	(2)	(141)	(19)	(1)	(7)	(2)
SCAQMD Threshold	55	550	55	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Connect Los Angeles Partners 2023
[1] Totals may vary due to rounding.
[2] Emission reductions (i.e., beneficial impacts) are shown in parentheses.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

6.1.2.3 ALIGNMENT ALTERNATIVE 3: LA BREA

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction emissions associated with the La Brea Alignment Alternative would be generated from heavy-duty construction equipment exhaust; fugitive dust (particulate matter) from material movement and ground disturbance; exhaust from worker vehicle travel to and from the Project site; exhaust from haul trucks, delivery trucks, and cement trucks importing and exporting material to the Project site, and on-road re-entrained dust and brake and tire wear. Criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1.

The La Brea Alignment Alternative would be constructed in two sections. Section 1 would extend from the Expo/Crenshaw Station to the Wilshire/La Brea Station. Section 2 would extend from the Section 1 terminus at the Wilshire/La Brea Station to the northern terminus at either the Hollywood/Highland Station or the optional Hollywood Bowl Station.

The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the La Brea Alignment Alternative. Project activities associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of the alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site.

This analysis assumes that the two sections of the La Brea Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. Since alignment alternative Section 1 construction and MSF Section 1 additions would occur concurrently, criteria pollutant emissions were considered together when determining maximum daily emissions for comparison to the thresholds. Similarly, criteria pollutant emissions from concurrent construction of alignment alternative Section 2 and MSF Section 2 were considered together when determining maximum daily emissions for comparison to the thresholds. If concurrent construction of alignment alternative sections is expected, further analysis will be needed to determine combined air quality impacts. As a result of uncertainty in the timing for construction of each section, 2041 was used as a representative “Year 1” for all sections when calculating criteria pollutant emissions since it is the first anticipated construction year for the Project.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all construction activities over the entire construction period to determine the maximum Project daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the entire construction period. Therefore, the maximum daily emissions are presented as totals and not

broken out by source. Daily activity levels and emissions would fluctuate throughout construction and be lower on average than the calculated daily maximums.

Table 6-8 presents the maximum daily criteria pollutant emissions that would be generated during construction of each section of the La Brea Alignment Alternative, including construction of Section 1 of the alignment alternative concurrently with Section 1 of the MSF, as well as Section 2 of the alignment alternative concurrently with Section 2 of the MSF; it also identifies SCAQMD Air Quality Significance Thresholds for mass daily emissions at the regional level. SCAQMD's guidance states that CEQA projects may emit air pollutants at quantities below the air quality significance thresholds without being considered significant at the project or cumulatively considerable level. Projects that generate emissions in excess of the project-specific thresholds are also considered to be cumulatively considerable and significant.

TABLE 6-8. LA BREA ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 1: Expo/Crenshaw Station to Wilshire/La Brea Station with MSF Section 1 [2]	3	58	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
Section 2: Wilshire/La Brea Station to Hollywood/Highland Station with MSF Section 2 [3]	5	94	99	1	30	11
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023

[1] The analysis assumes that the two sections of the La Brea Alignment Alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction is expected, further analysis will be needed to determine combined air quality impacts.

[2] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the La Brea Alignment Alternative. MSF Section 1 would be constructed concurrently with alignment alternative Section 1 and would include the addition of four storage tracks to the existing Division 16 site. As such, daily criteria pollutant emissions associated with MSF Section 1 construction have been included with alignment alternative Section 1 daily emissions when determining maximum daily emissions for comparison to the thresholds.

[3] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the La Brea Alignment Alternative. MSF Section 2 would be constructed concurrently with alignment alternative Section 2 and would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. As such, daily criteria pollutant emissions associated with MSF Section 2 construction have been included with alignment alternative Section 2 daily emissions when determining maximum daily emissions for comparison to the thresholds.

CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

As shown in Table 6-8, maximum daily emissions estimates for each section of the La Brea Alignment Alternative with concurrent MSF Section 1 and Section 2 construction would be below SCAQMD's mass daily CEQA thresholds.

All construction activities would be conducted in accordance with the project measures PM AQ-1, PM AQ-2, and PM AQ-3 to avoid and minimize emissions. Reductions in fugitive dust emissions (affecting PM_{10} and $PM_{2.5}$ emissions) associated with watering as required by SCAQMD Rule 403 (see PM AQ-2) were included in the emission calculations. However, due to uncertainty in the availability of equipment and renewable diesel fuel in the vicinity of the Project at the time of construction, emission reductions from other project measures were not accounted for in the construction emission estimates. Actual construction emissions are expected to be lower than those estimated, and as a result this analysis is conservative.

While there would be a temporary increase in emissions of criteria pollutants from construction of the La Brea Alignment Alternative, maximum daily regional emissions would be below SCAQMD CEQA significance thresholds. In accordance with SCAQMD CEQA guidance, because emissions from construction would remain below the project-level CEQA thresholds, the emissions would also be considered less than significant at the cumulatively considerable level (SCAQMD 1993). Therefore, construction of the La Brea Alignment Alternative would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment, and the impact related to generation of regional criteria pollutant emissions during construction would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operational criteria air pollutant emission sources under the La Brea Alignment Alternative include exhaust from motor vehicle VMT in the RSA. Emissions associated with exhaust from motor vehicle VMT would be reduced under the La Brea Alignment Alternative as compared to 2045 without Project Conditions due to increased transit use. The stations would not have designated parking, and the small amount of vehicle trips to and from the stations are included in the regional VMT forecasts. LRVs would be electrically powered and would not generate any direct criteria pollutant emissions.

As presented in Table 6-9, there would be a net reduction in operational regional emissions of VOC, CO, NO_X, SO_X, PM_{10}, and $PM_{2.5}$ under the La Brea Alignment Alternative, primarily due to the reduction in motor vehicle VMT associated with ridership of the Project. Therefore, impacts with respect to regional criteria pollutant emissions from operation of the La Brea Alignment Alternative would be less than significant.

TABLE 6-9. LA BREA ALIGNMENT ALTERNATIVE OPERATIONAL REGIONAL CRITERIA POLLUTANT EMISSIONS

EMISSION SOURCE	DAILY EMISSIONS (LBS/DAY)					
	VOC	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
LA BREA ALIGNMENT ALTERNATIVE (2045)						
Regional Traffic	9,252	646,974	85,879	3,548	32,391	11,313
2045 WITHOUT PROJECT CONDITIONS						
Regional Traffic	9,254	647,123	85,899	3,549	32,398	11,316
LA BREA ALIGNMENT ALTERNATIVE (2045) COMPARED TO 2045 WITHOUT PROJECT CONDITIONS						
Net Project Emissions[1,2]	(2)	(149)	(20)	(1)	(7)	(3)
SCAQMD Threshold	55	550	55	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Connect Los Angeles Partners 2023
[1] Totals may vary due to rounding.
[2] Emission reductions (beneficial impacts) are shown in parentheses.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

6.1.2.4 HOLLYWOOD BOWL DESIGN OPTION

CONSTRUCTION IMPACTS

Less than Significant Impact. The Hollywood Bowl Design Option changes the proposed Hollywood/Highland Station from a terminus station to an in-line station and adds a new Hollywood Bowl terminus station to the final section of each alignment alternative (San Vicente-Fairfax Alignment Alternative Section 3, Fairfax Alignment Alternative Section 2, and La Brea Alignment Alternative Section 2). In order to capture these changes, criteria pollutant emissions were recalculated for the final section of each alignment alternative to include construction of the Hollywood Bowl Design Option. Construction of other sections (San Vicente-Fairfax Alignment Alternative Section 1 and Section 2, Fairfax Alignment Alternative Section 1, and La Brea Alignment Alternative Section 1) would not be affected by addition of the Hollywood Bowl Design Option to the final sections.

The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of the alignment alternatives. MSF Section 2 construction would occur concurrently with Section 2 of each alignment alternative, meaning it would also occur concurrently with Hollywood Bowl Design Option and Section 2 construction for the Fairfax Alignment Alternative and La Brea Alignment Alternative. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. As a result, criteria pollutant emissions for MSF Section 2 were considered with the Hollywood Bowl Design Option and Section 2 criteria pollutant emissions for the Fairfax Alignment Alternative and La Brea Alignment Alternative when determining maximum daily emissions for comparison to the thresholds.

As previously described, this analysis assumes that the sections of each alignment alternative would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction of alignment alternative sections is expected, further analysis will be needed to determine combined air quality impacts. As a result of uncertainty in the timing for construction of each section, 2041 was used as a representative "Year 1" for all sections when calculating criteria pollutant emissions because it is the first anticipated construction year for the Project.

Construction emissions associated with the Hollywood Bowl Design Option would be generated from heavy-duty construction equipment exhaust; fugitive dust (particulate matter) from material movement and ground disturbance; exhaust from worker vehicle travel to and from the Project site; exhaust from haul trucks, delivery trucks, and cement trucks importing and exporting material to the Project site; and on-road re-entrained dust and brake and tire wear. Criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all construction activities over the entire construction period to determine the maximum Project daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the entire construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Table 6-10, Table 6-11, and Table 6-12 present the maximum daily criteria pollutant emissions that would be generated during construction of the Hollywood Bowl Design Option, including construction of Section 2 or Section 3 of the alignment alternatives concurrently with the Hollywood Bowl Design Option, as well as construction of Section 2 of the MSF concurrently with the Hollywood Bowl Design Option (Fairfax Alignment Alternative and La Brea Alignment Alternative only); the tables also identify SCAQMD Air Quality Significance Thresholds for mass daily emissions at the regional level. SCAQMD's guidance states that CEQA projects may emit air pollutants at quantities below the air quality significance thresholds without being considered significant at the project or cumulatively considerable level. Projects that generate emissions in excess of the project-specific thresholds are also considered to be cumulatively considerable and significant.

TABLE 6-10. SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE SECTION 3 WITH HOLLYWOOD BOWL DESIGN OPTION CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 3: San Vicente/Santa Monica Station to Hollywood Bowl Station	8	69	149	1	19	9
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] Construction of the Hollywood Bowl Design Option would happen concurrently with construction of San Vicente-Fairfax Alignment Alternative Section 3. As such, daily criteria pollutant emissions associated with concurrent Hollywood Bowl Design Option construction have been included with San Vicente-Fairfax Alignment Alternative Section 3 daily emissions when determining maximum daily emissions for comparison to the thresholds.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

TABLE 6-11. FAIRFAX ALIGNMENT ALTERNATIVE SECTION 2 WITH HOLLYWOOD BOWL DESIGN OPTION CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 2: Wilshire/Fairfax Station to Hollywood Bowl Station with MSF Section 2	10	91	195	1	25	12
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] Construction of the Hollywood Bowl Design Option would happen concurrently with construction of Fairfax Alignment Alternative Section 2 and MSF Section 2. As such, daily criteria pollutant emissions associated with concurrent Hollywood Bowl Design Option construction have been included with Fairfax Alignment Alternative Section 2 and MSF Section 2 daily emissions when determining maximum daily emissions for comparison to the thresholds.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

TABLE 6-12. LA BREA ALIGNMENT ALTERNATIVE SECTION 2 WITH HOLLYWOOD BOWL DESIGN OPTION CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT [1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Section 2: Wilshire/La Brea Station to Hollywood Bowl Station with MSF Section 2	11	98	201	1	24	11
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] Construction of the Hollywood Bowl Design Option would happen concurrently with construction of La Brea Alignment Alternative Section 2 and MSF construction. As such, daily criteria pollutant emissions associated with concurrent Hollywood Bowl Design Option construction have been included with La Brea Alignment Alternative Section 2 and MSF daily emissions when determining maximum daily emissions for comparison to the thresholds.
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

As shown in Table 6-10, Table 6-11, and Table 6-12, maximum daily emissions estimates for the Hollywood Bowl Design Option with concurrent alignment alternative Section 2 or Section 3 and MSF Section 2 construction would be below SCAQMD's mass daily CEQA thresholds.

All construction activities would be conducted in accordance with project measures PM AQ-1, PM AQ-2, and PM AQ-3 to avoid and minimize emissions. Reductions in fugitive dust emissions (affecting PM_{10} and $PM_{2.5}$ emissions) associated with watering as required by SCAQMD Rule 403 (see PM AQ-2) were included in the emission calculations. However, due to uncertainty in the availability of equipment and renewable diesel fuel in the vicinity of the Project at the time of construction, emission reductions from other project measures were not accounted for in the construction emission estimates. Therefore, actual construction emissions are expected to be lower than those estimated, and as a result this analysis is conservative.

While there would be a temporary increase in emissions of criteria pollutants from construction of the Hollywood Bowl Design Option, maximum daily regional emissions would be below SCAQMD CEQA significance thresholds. In accordance with SCAQMD CEQA guidance, because emissions from construction would remain below the project-level CEQA thresholds, the emissions would also be considered less than significant at the cumulatively considerable level (SCAQMD 1993). Therefore, construction of the Hollywood Bowl Design Option would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment, and the impact related to generation of regional criteria pollutant emissions during construction would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. As described above, the operation of the alignment alternatives would result in a net reduction in operational regional criteria air pollutants, and impacts with respect to operational regional criteria pollutant emissions would be less than significant. The Hollywood Bowl

Design Option would slightly alter the configuration of the light rail alignment and add one underground station. Based on available forecasted travel demand data, implementation of the Hollywood Bowl Design Option would not appreciably increase or decrease ridership of the light rail system, nor would it be expected to appreciably increase or decrease VMT in the RSA relative to the alignment alternatives; therefore, there was no change to regional vehicle traffic emissions estimates as a result of the Hollywood Bowl Design Option. Therefore, impacts from the operation of the Hollywood Bowl Design Option with respect to regional criteria pollutant emissions would be less than significant.

6.1.2.5 MAINTENANCE AND STORAGE FACILITY

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction emissions associated with MSF additions would be generated from heavy-duty construction equipment exhaust; fugitive dust (particulate matter) from material movement and ground disturbance; exhaust from worker vehicle travel to and from the MSF site; exhaust from haul trucks and delivery trucks importing and exporting material to the MSF site; and on-road re-entrained dust and brake and tire wear. Criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.1.

The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of any alignment alternative. Project activities associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of each alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. Since MSF Section 1 additions and alignment alternative Section 1 construction would occur concurrently, criteria pollutant emissions were considered together when determining maximum daily emissions for comparison to the thresholds. Similarly, criteria pollutant emissions from concurrent construction of MSF Section 2 and alignment alternative Section 2 were considered together when determining maximum daily emissions for comparison to the thresholds.

This analysis assumes that the MSF Section 1 and Section 2 additions would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction of MSF sections is expected, further analysis will be needed to determine combined air quality impacts. As a result of uncertainty in the timing for construction of each section, 2041 was used as a representative “Year 1” for all sections when calculating criteria pollutant emissions since it is the first anticipated construction year for the Project.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction. The maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all construction activities over the entire construction period to determine the maximum Project daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the

entire construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Table 6-13 presents the maximum daily criteria pollutant emissions that would be generated during construction of MSF Section 1 and Section 2, including construction of Section 1 of the alignment alternatives concurrently with Section 1 of the MSF, as well as Section 2 of the alignment alternatives concurrently with Section 2 of the MSF; it also identifies SCAQMD Air Quality Significance Thresholds for mass daily emissions at the regional level. SCAQMD's guidance states that CEQA projects may emit air pollutants at quantities below the air quality significance thresholds without being considered significant at the project or cumulatively considerable level. Projects that generate emissions in excess of the project-specific thresholds are also considered to be cumulatively considerable and significant.

As shown in Table 6-13, maximum daily emissions estimates for MSF Section 1 and Section 2 with concurrent alignment alternative Section 1 and Section 2 construction would be below SCAQMD's mass daily CEQA thresholds.

All construction activities would be conducted in accordance with project measures PM AQ-1, PM AQ-2, and PM AQ-3 to avoid and minimize emissions. Reductions in fugitive dust emissions (affecting PM_{10} and $PM_{2.5}$ emissions) associated with watering as required by SCAQMD Rule 403 (see PM AQ-2) were included in the emission calculations. However, due to uncertainty in the availability of equipment and renewable diesel fuel in the vicinity of the Project at the time of construction, emission reductions from other project measures were not accounted for in the construction emission estimates. Therefore, actual construction emissions are expected to be lower than those estimated, and as a result this analysis is conservative.

While there would be a temporary increase in emissions of criteria pollutants from construction of the MSF, maximum daily regional emissions would be below SCAQMD CEQA significance thresholds. In accordance with SCAQMD CEQA guidance, because emissions from construction would remain below the project-level CEQA thresholds, the emissions would also be considered less than significant at the cumulatively considerable level (SCAQMD 1993). Therefore, construction of the MSF would not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment, and the impact related to generation of regional criteria pollutant emissions during construction would be less than significant.

TABLE 6-13. MSF SECTION 1 AND SECTION 2 CRITERIA POLLUTANT CONSTRUCTION EMISSIONS

PROJECT ELEMENT/ALIGNMENT ALTERNATIVE[1]	MAXIMUM DAILY EMISSIONS (LBS/DAY)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
MSF Section 1 with San Vicente–Fairfax Section 1: Expo/Crenshaw to Wilshire/Fairfax Station[2]	3	56	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
MSF Section 2 with San Vicente–Fairfax Section 2: Wilshire/Fairfax to San Vicente/Santa Monica Station[3]	4	60	83	0	17	6
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
MSF Section 1 with Fairfax Section 1: Expo/Crenshaw to Wilshire/Fairfax Station[2]	3	56	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
MSF Section 2 with Fairfax Section 2: Wilshire/Fairfax to Hollywood/Highland Station[3]	5	91	102	1	29	11
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
MSF Section 1 with La Brea Section 1: Expo/Crenshaw to Wilshire/La Brea Station[2]	3	58	69	0	18	8
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***
MSF Section 2 with La Brea Alignment Alternative Section 2: Wilshire/La Brea Station to Hollywood/Highland Station[3]	5	94	99	1	30	11
SCAQMD Thresholds	75	100	550	150	150	55
Threshold Exceeded?	***No***	***No***	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023

[1] The analysis assumes that MSF Section 1 and Section 2 would be built sequentially, not concurrently; therefore, maximum daily emissions have been presented and compared to the thresholds separately. If concurrent construction is expected, further analysis will be needed to determine combined air quality impacts.

[2] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of any alignment alternative. MSF Section 1 would be constructed concurrently with alignment alternative Section 1 and would include the addition of four storage tracks to the existing Division 16 site. As such, daily criteria pollutant emissions associated with MSF Section 1 construction have been included with alignment alternative Section 1 daily emissions when determining maximum daily emissions for comparison to the thresholds.

[3] The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of any alignment alternative. MSF Section 2 would be constructed concurrently with alignment alternative Section 2 and would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site. As such, daily criteria pollutant emissions associated with MSF Section 2 construction have been included with alignment alternative Section 2 daily emissions when determining maximum daily emissions for comparison to the thresholds.

CO = carbon monoxide; lbs/day = pounds per day; MSF = Maintenance and Storage Facility; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

OPERATIONAL IMPACTS

Operation of the MSF would result in emissions of exhaust from equipment used on-site, natural gas use, and use of architectural coatings and consumer products. Use of electrical equipment does not generate air pollutant emissions. Emissions from the exhaust of worker commute trips to and from the MSF are included in the regional traffic emissions estimates. It was assumed that emissions from additional activity associated with KNE Section 1 MSF operations that would occur at the existing Division 16 MSF would be minimal since that facility is already in operation and would only require the addition of four storage tracks to accommodate KNE Section 1. Therefore, emissions specific to KNE Section 1 MSF are estimated to be similar to existing conditions and are not included as a separate line item in Table 6-14.

As shown in Table 6-14, emissions from operation of the MSF expansion at Metro's Division 16 (KNE Section 2 MSF) would be below all the applicable SCAQMD thresholds. As described above for each of the alignment alternatives, operation of the Project would result in decreased regional criteria pollutant emissions. The addition of MSF emissions to each of the alignment alternatives would not exceed SCAQMD thresholds. Therefore, operation of the MSF would not result in regional criteria pollutant emissions that would exceed SCAQMD thresholds, and impacts with respect to regional criteria pollutant emissions from operation would be less than significant.

TABLE 6-14. MSF OPERATIONAL CRITERIA POLLUTANT EMISSIONS

EMISSION SOURCE	DAILY EMISSIONS (LBS/DAY)					
	VOC	CO	NO_X	SO_X	PM_{10}	$PM_{2.5}$
MSF	1.57	2.89	0.28	0.01	0.91	0.24
SCAQMD Threshold	55	550	55	150	150	55
Threshold Exceeded?	**No**	**No**	**No**	**No**	**No**	**No**

Source: Connect Los Angeles Partners 2023
CO = carbon monoxide; lbs/day = pounds per day; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District; SO_X = sulfur oxides; VOC = volatile organic compounds

6.1.3 IMPACT AQ-3: EXPOSURE OF SENSITIVE RECEPTORS TO LOCALIZED POLLUTANT CONCENTRATIONS

Impact AQ-3: Would the Project expose sensitive receptors to substantial pollutant concentrations?

The following analysis addresses exposure of sensitive receptors to localized concentrations of criteria air pollutants and TACs. According to SCAQMD, land uses that constitute sensitive receptors include residences, schools, playgrounds, childcare centers, athletic facilities, long-term health care facilities, rehabilitation centers, convalescent centers, and retirement homes. SCAQMD recommends that air quality assessments consider the potential localized impacts to sensitive receptors at distances up to 500 meters (1,640 feet) from project sites, depending on the proximity of sensitive land uses. The Project is located in a developed urban setting near many land uses that qualify as sensitive receptors, including residential land uses, schools, and other institutional uses located along the alignment alternatives and near the MSF.

6.1.3.1 ALIGNMENT ALTERNATIVE 1: SAN VICENTE-FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the San Vicente–Fairfax Alignment Alternative would generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. Consistent with SCAQMD LST guidance, off-site emissions, such as those from worker vehicle and hauling or delivery vehicle exhaust, were not included in the evaluation of localized impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.2.

Localized construction emissions were estimated at each of the 10 station construction sites for the San Vicente–Fairfax Alignment Alternative. In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction at each site. This includes emissions from surface and subsurface activities that would be released at the site. Based on information provided in the KNE Hazards and Hazardous Materials Technical Report, no emissions of hazardous gases from idle or abandoned oil wells were included in the air quality analysis because any detected gases would be mitigated to a level that would not be considered significant. Maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all site construction activities over the entire site construction period to determine the maximum daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent station construction activities, they are considered representative of the worst case over the entire site construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, localized exposures to sensitive receptors near each site would be shorter in duration and lower in magnitude than for each combined alignment alternative section. See Appendix A, Construction Data, for construction details.

Table 6-15 presents the maximum daily criteria pollutant emissions that would be generated at each station site during construction of the San Vicente–Fairfax Alignment Alternative, as well as the applicable SCAQMD LSTs. As described in Section 4.1.1.2, the total size of all construction staging areas for each station site was taken from Appendix A of the KNE Construction Approach Report and used to select the appropriate LSTs for each site. A receptor distance of 25 meters (82 feet) was conservatively assumed to assess station construction localized impacts. Per the SCAQMD LST Methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

TABLE 6-15. SAN VICENTE–FAIRFAX ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS – LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
San Vicente-Fairfax Alignment Alternative Section 1				
Crenshaw/Adams	5	19	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
Midtown Crossing	13	40	5	3
SCAQMD LST Screening Value: 5 acres	221	1,531	13	6
Threshold Exceeded?	***No***	***No***	***No***	***No***
Wilshire/Fairfax	7	21	5	3
SCAQMD LST Screening Value: 3 acres	172	1,062	8	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Expo/Crenshaw	6	11	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
San Vicente-Fairfax Alignment Alternative Section 2				
Fairfax/3rd	7	21	4	2
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Cienega/Beverly	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
San Vicente/Santa Monica	13	27	4	2
SCAQMD LST Screening Value: 3 acres	172	1,062	8	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
San Vicente-Fairfax Alignment Alternative Section 3				
Fairfax/Santa Monica	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	14	28	4	3
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Hollywood/Highland Terminus	13	28	6	4
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

As shown in Table 6-15, construction of the San Vicente-Fairfax Alignment Alternative would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Construction of the San Vicente–Fairfax Alignment Alternative would also generate temporary localized TAC emissions from on-site use of diesel-fueled heavy-duty construction equipment and on-road trucks in the form of DPM. As described under project measure PM AQ-1, Metro's Green Construction policy includes measures that would reduce emissions of DPM:

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.
- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.

Additionally, Metro's MBSSP includes commitments to use renewable diesel and identify opportunities to decarbonize fuel sources at construction sites, which would further reduce DPM emissions (PM AQ-3). Compliance with the identified project measures, as well as the temporary and intermittent nature of construction activities at any particular location, would prevent the occurrence of substantial TAC concentrations at sensitive receptors during construction of the San Vicente–Fairfax Alignment Alternative. Therefore, impacts with respect to exposure of sensitive receptors to substantial localized TAC concentrations would be less than significant.

In conclusion, construction of the San Vicente-Fairfax Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the San Vicente-Fairfax Alignment Alternative would not introduce a new substantial permanent direct source of air pollutant emissions to the RSA. No direct source of air pollutant emissions would occur along the alignment because the LRVs would be powered by electricity. Station operations would also be electrically powered, and the stations would not have designated parking. The small amount of rider-related vehicle trips to and from the stations are included in the regional VMT forecasts and would not create congestion at nearby intersections. These vehicles are typically gasoline-powered and would not expose sensitive receptors to substantial TAC concentrations. Therefore, operation of the San Vicente-Fairfax Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

6.1.3.2 ALIGNMENT ALTERNATIVE 2: FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the Fairfax Alignment Alternative would generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. Consistent with SCAQMD LST guidance, off-site emissions, such as those from worker vehicle and hauling or delivery vehicle exhaust, were not included in the evaluation of localized impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.2.

Localized construction emissions were estimated at each of the eight station construction sites for the Fairfax Alignment Alternative. In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction at each site. Based on information provided in the KNE Hazards and Hazardous Materials Technical Report, no emissions of hazardous gases from idle or abandoned oil wells were included in the air quality analysis because any detected gases would be mitigated to a level that would not be considered significant. This includes emissions from surface and subsurface activities that would be released at the site. Maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all site construction activities over the entire site construction period to determine the maximum daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent station construction activities, they are considered representative of the worst case over the entire site construction period. Therefore, the maximum

daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, localized exposures to sensitive receptors near each site would be shorter in duration and lower in magnitude than for each combined alignment alternative section. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Table 6-16 presents the maximum daily criteria pollutant emissions that would be generated at each station site during construction of the Fairfax Alignment Alternative, as well as the applicable SCAQMD LSTs. As described in Section 4.1.1.2, the total size of all construction staging areas for each station site was taken from Appendix A of the KNE Construction Approach Report and used to select the appropriate LSTs for each site. A receptor distance of 25 meters (82 feet) was conservatively assumed to assess station construction localized impacts. Per the SCAQMD LST Methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

TABLE 6-16. FAIRFAX ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS – LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Fairfax Alignment Alternative Section 1				
Crenshaw/Adams	5	19	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
Midtown Crossing	13	40	5	3
SCAQMD LST Screening Value: 5 acres	221	1,531	13	6
Threshold Exceeded?	***No***	***No***	***No***	***No***
Wilshire/Fairfax	7	21	5	3
SCAQMD LST Screening Value: 3 acres	172	1,062	8	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Expo/Crenshaw	6	11	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
Fairfax Alignment Alternative Section 2				
Fairfax/3rd	8	18	4	2
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Fairfax/Santa Monica	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	12	30	4	3
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood/Highland Terminus	13	28	6	4
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

As shown in Table 6-16, construction of the Fairfax Alignment Alternative would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Construction of the Fairfax Alignment Alternative would also generate temporary localized TAC emissions from on-site use of diesel-fueled heavy-duty construction equipment and on-road trucks in the form of DPM. As described under project measure PM AQ-1, Metro's Green Construction policy includes measures that would reduce emissions of DPM:

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.
- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.

Additionally, Metro's MBSSP includes commitments to use renewable diesel and identify opportunities to decarbonize fuel sources at construction sites, which would further reduce DPM emissions (PM AQ-

3). Compliance with the identified project measures, as well as the temporary and intermittent nature of construction activities at any particular location, would prevent the occurrence of substantial TAC concentrations at sensitive receptors during construction of the Fairfax Alignment Alternative. Therefore, impacts with respect to exposure of sensitive receptors to substantial localized TAC concentrations would be less than significant.

In conclusion, construction of the Fairfax Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the Fairfax Alignment Alternative would not introduce a new substantial permanent direct source of air pollutant emissions to the RSA. No direct source of air pollutant emissions would occur along the alignment because the LRVs would be powered by electricity. Station operations would also be electrically powered, and the stations would not have designated parking. The small amount of rider-related vehicle trips to and from the stations are included in the regional VMT forecasts and would not create congestion at nearby intersections. These vehicles are typically gasoline-powered and would not expose sensitive receptors to substantial TAC concentrations. Therefore, operation of the Fairfax Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

6.1.3.3 ALIGNMENT ALTERNATIVE 3: LA BREA

CONSTRUCTION IMPACTS

Less than Significant Impact. Construction of the La Brea Alignment Alternative would generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. Consistent with SCAQMD LST guidance, off-site emissions, such as those from worker vehicle and hauling or delivery vehicle exhaust, were not included in the evaluation of localized impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.2.

Localized construction emissions were estimated at each of the seven station construction sites for the La Brea Alignment Alternative. In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction at each site. This includes emissions from surface and subsurface activities that would be released at the site. Based on information provided in the KNE Hazards and Hazardous Materials Technical Report, no emissions of hazardous gases from idle or abandoned oil wells were included in the air quality analysis because any detected gases would be mitigated to a level that would not be considered significant. Maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all site construction activities over the entire site construction period to determine the maximum daily emissions. While the maximum daily emissions are based on a specific combination of estimated

concurrent station construction activities, they are considered representative of the worst case over the entire site construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, localized exposures to sensitive receptors near each site would be shorter in duration and lower in magnitude than for each combined alignment alternative section. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Table 6-17 presents the maximum daily criteria pollutant emissions that would be generated at each station site during construction of the La Brea Alignment Alternative, as well as the applicable SCAQMD LSTs. As described in Section 4.1.1.2, the total size of all construction staging areas for each station site was taken from Appendix A of the KNE Construction Approach Report and used to select the appropriate LSTs for each site. A receptor distance of 25 meters (82 feet) was conservatively assumed to assess station construction localized impacts. Per the SCAQMD LST Methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

TABLE 6-17. LA BREA ALIGNMENT ALTERNATIVE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS – LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
La Brea Alignment Alternative Section 1				
Crenshaw/Adams	5	19	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
Midtown Crossing	12	41	5	3
SCAQMD LST Screening Value: 5 acres	221	1,531	13	6
Threshold Exceeded?	***No***	***No***	***No***	***No***
Wilshire/La Brea	7	20	4	2
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***
Expo/Crenshaw	6	11	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
La Brea Alignment Alternative Section 2				
La Brea/Beverly	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	13	27	4	3
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood/Highland Terminus	13	28	6	4
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

As shown in Table 6-17, construction of the La Brea Alignment Alternative would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Construction of the La Brea Alignment Alternative would also generate temporary localized TAC emissions from on-site use of diesel-fueled heavy-duty construction equipment and on-road trucks in the form of DPM. As described under project measure PM AQ-1, Metro's Green Construction policy includes measures that would reduce emissions of DPM:

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.
- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.

Additionally, Metro's MBSSP includes commitments to use renewable diesel and identify opportunities to decarbonize fuel sources at construction sites, which would further reduce DPM emissions (PM AQ-3). Compliance with the identified project measures, as well as the temporary and intermittent nature of construction activities at any particular location, would prevent the occurrence of substantial TAC concentrations at sensitive receptors during construction of the La Brea Alignment Alternative. Therefore, impacts with respect to exposure of sensitive receptors to substantial localized TAC concentrations would be less than significant.

In conclusion, construction of the La Brea Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the La Brea Alignment Alternative would not introduce a new substantial permanent direct source of air pollutant emissions to the RSA. No direct source of air pollutant emissions would occur along the alignment because the LRVs would be powered by electricity. Station operations would also be electrically powered, and the stations would not have designated parking. The small amount of rider-related vehicle trips to and from the stations are included in the regional VMT forecasts and would not create congestion at nearby intersections. These vehicles are typically gasoline-powered and would not expose sensitive receptors to substantial TAC concentrations. Therefore, operation of the La Brea Alignment Alternative would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

6.1.3.4 HOLLYWOOD BOWL DESIGN OPTION

CONSTRUCTION IMPACTS

Less than Significant Impact. The Hollywood Bowl Design Option changes the proposed Hollywood/Highland Station from a terminus to an in-line station and adds a new Hollywood Bowl terminus station to the final section of each alignment alternative (San Vicente-Fairfax Alignment Alternative Section 3, Fairfax Alignment Alternative Section 2, and La Brea Alignment Alternative Section 2). In order to capture these changes, criteria pollutant emissions were recalculated for the final section of each alignment alternative to include construction of the Hollywood Bowl Design Option. Construction of other sections (San Vicente-Fairfax Alignment Alternative Section 1 and Section 2, Fairfax Alignment Alternative Section 1, and La Brea Alignment Alternative Section 1) would not be affected by addition of the Hollywood Bowl Design Option to the final section.

Construction of the Hollywood Bowl Design Option would generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. Consistent with SCAQMD LST guidance, off-site emissions, such as those from worker vehicle and hauling or delivery vehicle exhaust, were not included in the evaluation of localized impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.2.

Localized construction emissions were estimated at the Hollywood Bowl construction site and each of the other station sites in the final section of each alignment alternative (San Vicente-Fairfax Alignment Alternative Section 3, Fairfax Alignment Alternative Section 2, and La Brea Alignment Alternative Section 2). Addition of the Hollywood Bowl Design Option would change the construction schedule for the affected sections, potentially affecting emissions at the other station sites.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur during construction at each site. This includes emissions from surface and subsurface activities that would be released at the site. Maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all site construction activities over the entire site construction period to determine the maximum daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent station construction activities, they are considered representative of the worst case over the entire site construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Construction at the Hollywood Bowl site is anticipated to occur intermittently over approximately eight years. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Table 6-18, Table 6-19, and Table 6-20 present the maximum daily criteria pollutant emissions that would be generated during construction at the Hollywood Bowl construction site and each of the other station sites in the final section of each alignment alternative, respectively, as well as the applicable SCAQMD LSTs. As described in Section 4.1.1.2, the total size of all construction staging areas for each station site was taken from Appendix A of the KNE Construction Approach Report and used to select the appropriate LSTs for each site. A receptor distance of 25 meters (82 feet) was conservatively assumed to assess station construction localized impacts. Per the SCAQMD LST Methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

TABLE 6-18. HOLLYWOOD BOWL DESIGN OPTION CRITERIA POLLUTANT CONSTRUCTION EMISSIONS, SAN VICENTE-FAIRFAX ALIGNMENT ALTERNATIVE - LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Hollywood Bowl Design Option, San Vicente-Fairfax Alignment Alternative Section 3				
Fairfax/Santa Monica	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	12	27	4	3
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Hollywood/Highland Inline	10	27	3	2
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood Bowl Terminus	39	100	6	4
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

TABLE 6-19. HOLLYWOOD BOWL DESIGN OPTION CRITERIA POLLUTANT CONSTRUCTION EMISSIONS, FAIRFAX ALIGNMENT ALTERNATIVE - LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Hollywood Bowl Design Option, Fairfax Alignment Alternative Section 2				
Fairfax/3rd	7	20	3	2
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Fairfax/Santa Monica	7	21	4	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	11	29	4	3
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood/Highland Inline	10	27	3	2
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood Bowl Terminus	37	96	6	4
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

TABLE 6-20. HOLLYWOOD BOWL SITE CRITERIA POLLUTANT CONSTRUCTION EMISSIONS, LA BREA ALIGNMENT ALTERNATIVE - LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
Hollywood Bowl Design Option, La Brea Alignment Alternative Section 2				
La Brea/Beverly	5	20	3	2
SCAQMD LST Screening Value: 1 acre	103	562	4	3
Threshold Exceeded?	***No***	***No***	***No***	***No***
La Brea/Santa Monica	12	28	4	2
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood/Highland Inline	10	27	3	2
SCAQMD LST Screening Value: 2 acres	147	827	6	4
Threshold Exceeded?	***No***	***No***	***No***	***No***
Hollywood Bowl Terminus	49	127	7	5
SCAQMD LST Screening Value: 4 acres	196	1,296	11	5
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County, 25 meter (82 foot) receptor distance, and site size identified for each station.
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

As shown in Table 6-18, Table 6-19, and Table 6-20, construction of the Hollywood Bowl Design Option would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Construction of the Hollywood Bowl Design Option would also generate temporary localized TAC emissions from on-site use of diesel-fueled heavy-duty construction equipment and on-road trucks in the form of DPM. As described under project measure PM AQ-1, Metro's Green Construction policy includes measures that would reduce emissions of DPM:

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.

- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.

Additionally, Metro's MBSSP includes commitments to use renewable diesel and identify opportunities to decarbonize fuel sources at construction sites, which would further reduce DPM emissions (PM AQ-3). Compliance with the identified project measures, as well as the temporary and intermittent nature of construction activities at any particular location, would prevent the occurrence of substantial TAC concentrations at sensitive receptors during construction of the Hollywood Bowl Design Option. Therefore, impacts with respect to exposure of sensitive receptors to substantial localized TAC concentrations would be less than significant.

In conclusion, construction of the Hollywood Bowl Design Option would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the Hollywood Bowl Design Option would not introduce a new substantial permanent direct source of air pollutant emissions to the RSA. No direct source of air pollutant emissions would occur along the additional alignment from the Hollywood/Highland Station to Hollywood Bowl Station because the LRVs would be powered by electricity. Station operations would also be electrically powered, and the Hollywood Bowl Station would not have designated parking. The small amount of rider-related vehicle trips to and from the Hollywood Bowl Station are included in the regional VMT forecasts and would not create congestion at nearby intersections. These vehicles are typically gasoline-powered and would not expose sensitive receptors to substantial TAC concentrations. Therefore, operation of the Hollywood Bowl Design Option would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

6.1.3.5 MAINTENANCE AND STORAGE FACILITY

CONSTRUCTION IMPACTS

Less than Significant Impact. The MSF is an essential element in supporting the reliable operation of an LRT system and would be necessary for the implementation and operation of any alignment alternative. Project activities associated with the MSF would occur in two parts, concurrent with Section 1 and Section 2 of each alignment alternative. MSF Section 1 would include the addition of four storage tracks to the existing Division 16 site. MSF Section 2 would include expansion of the existing Division 16 MSF on the adjacent 16.5-acre site.

Construction of the MSF additions would generate temporary localized emissions from heavy-duty construction equipment exhaust, fugitive dust (particulate matter) from material movement and ground disturbance, exhaust from on-road vehicle travel on-site, and on-road re-entrained dust and brake and tire wear from on-road vehicle travel on-site. Consistent with SCAQMD LST guidance, off-

site emissions, such as those from worker vehicle and hauling or delivery vehicle exhaust, were not included in the evaluation of localized impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from construction were estimated following the methodology described in Section 4.1.1.2.

Localized construction emissions from MSF Section 1 and Section 2 were estimated for each alignment alternative and the Hollywood Bowl Design Option where it would be constructed as part of Section 2 (Fairfax Alignment Alternative and La Brea Alignment Alternative). The MSF Section 1 and Section 2 construction schedules would differ between alignment alternatives and with addition of the Hollywood Bowl Design Option, potentially affecting emissions at the MSF site.

In accordance with guidance from SCAQMD, the air quality assessment characterized the maximum mass daily emissions that would occur at the site during construction. Maximum daily emissions represent a reasonably conservative estimate of the highest anticipated daily emissions based on detailed phasing and equipment information developed for the Project. Daily emissions were calculated for all MSF construction activities over the entire MSF construction period for each section to determine the maximum daily emissions. While the maximum daily emissions are based on a specific combination of estimated concurrent construction activities, they are considered representative of the worst case over the entire MSF section construction period. Therefore, the maximum daily emissions are presented as totals and not broken out by source. Daily activity levels and emissions would fluctuate throughout construction and would be lower on average than the calculated daily maximums.

Construction at the MSF site is anticipated to occur over approximately one year for Section 1 and four years for Section 2. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Table 6-21 presents the maximum daily criteria pollutant emissions that would be generated during MSF Section 1 and Section 2 construction for each alignment alternative and the Hollywood Bowl Design Option, as well as the applicable SCAQMD LSTs. As described in Section 4.1.1.2, LSTs for a site size of one acre were used for MSF Section 1 and LSTs for a site size of five acres were used for MSF Section 2. LSTs for a receptor distance of 100 meters (328 feet) were used based on the location of the closest sensitive receptors to the MSF site. Per the SCAQMD LST methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

TABLE 6-21. MSF CRITERIA POLLUTANT CONSTRUCTION EMISSIONS – LOCALIZED

PROJECT ELEMENT [1]	MAXIMUM DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
MSF, San Vicente-Fairfax Alignment Alternative				
MSF Section 1	2	8	2	1
SCAQMD LST Screening Value: 1 acre	121	1,233	27	8
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF Section 2	6	21	3	3
SCAQMD LST Screening Value: 5 acres	226	2,762	55	14
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF, Fairfax Alignment Alternative				
MSF Section 1	2	8	2	1
SCAQMD LST Screening Value: 1 acre	121	1,233	27	8
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF Section 2	6	21	4	3
SCAQMD LST Screening Value: 5 acres	226	2,762	55	14
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF Section 2, Hollywood Bowl	6	21	4	3
SCAQMD LST Screening Value: 5 acres	226	2,762	55	14
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF, La Brea Alignment Alternative				
MSF Section 1	2	8	2	1
SCAQMD LST Screening Value: 1 acre	121	1,233	27	8
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF Section 2	6	21	4	3
SCAQMD LST Screening Value: 5 acres	226	2,762	55	14
Threshold Exceeded?	***No***	***No***	***No***	***No***
MSF Section 2, Hollywood Bowl	6	21	4	3
SCAQMD LST Screening Value: 5 acres	226	2,762	55	14
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023

[1] LSTs taken from Table 4-2 for SRA 2 – Northwest Coastal Los Angeles County and a 100 meter (328 foot) receptor distance. Up to one acre would be disturbed for MSF Section 1, the addition of four storage tracks to the existing Division 16 MSF. A maximum daily disturbed area of 5 acres was assumed for MSF Section 2, expansion of the existing Division 16 MSF on the adjacent site.

CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; MSF = Maintenance and Storage Facility; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

As shown in Table 6-21, construction activities as the MSF site would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Construction activities as the MSF site would also generate temporary localized TAC emissions from on-site use of diesel-fueled heavy-duty construction equipment and on-road trucks in the form of DPM. As described under project measure PM AQ-1, Metro's Green Construction policy includes measures that would reduce emissions of DPM:

- Construction equipment shall incorporate, where feasible, emissions-reducing technology such as hybrid drives and specific fuel economy standards.
- Maintain equipment according to manufacturer specifications.
- Idling of construction equipment and heavy-duty trucks shall be restricted to a maximum of five minutes when not in use (certain exceptions apply based on CARB exemptions).
- All off-road diesel-powered construction equipment greater than 50 hp shall meet Tier 4 off-road emission standards at a minimum.
- All on-road heavy-duty trucks with a gross vehicle weight rating greater than or equal to 14,000 pounds must have engines meeting U.S. 2010 on-road emission standards.
- Where applicable and feasible, work with local jurisdictions to improve traffic flow by signal synchronization during construction activities.
- Use electric power in lieu of diesel power where available.

Additionally, Metro's MBSSP includes commitments to use renewable diesel and identify opportunities to decarbonize fuel sources at construction sites, which would further reduce DPM emissions (PM AQ-3). Compliance with the identified project measures, as well as the temporary and intermittent nature of construction activities at any particular location, would prevent the occurrence of substantial TAC concentrations at sensitive receptors during construction at the MSF site. Therefore, impacts with respect to exposure of sensitive receptors to substantial localized TAC concentrations would be less than significant.

In conclusion, construction activities at the MSF site would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

OPERATIONAL IMPACTS

Less than Significant Impact. Operation of the MSF would not introduce a new substantial permanent direct source of air pollutant emissions to the RSA. However, operation of the MSF would result in criteria pollutant emissions from combustion of natural gas for heating and cooling and from activities required for maintenance and upkeep of the structures and LRVs. Use of electrical equipment does not generate air pollutant emissions. It was assumed that emissions from additional activity associated with KNE Section 1 MSF operations that would occur at the existing Division 16 MSF would be minimal since that facility is already in operation and would only require the addition of four storage tracks to

accommodate KNE Section 1. Therefore, emissions specific to KNE Section 1 MSF are estimated to be similar to existing conditions and are not included as a separate line item in Table 6-22. Emissions from the operation of the MSF would comply with all SCAQMD air permitting regulations, which include an analysis of potential localized pollutant concentrations.

TABLE 6-22. MSF OPERATIONAL CRITERIA POLLUTANT EMISSIONS – LOCALIZED

	DAILY ON-SITE EMISSIONS (LBS/DAY)			
	NO_X	CO	PM_{10}	$PM_{2.5}$
MSF On-Site Emissions	0.28	2.89	0.91	0.24
SCAQMD LST Screening Value	121	1,233	7	2
Threshold Exceeded?	***No***	***No***	***No***	***No***

Source: Connect Los Angeles Partners 2023
CO = carbon monoxide; lbs/day = pounds per day; LST = Localized Significance Threshold; MSF = Maintenance and Storage Facility; NO_X = nitrogen oxides; PM_{10} = particulate matter less than or equal to 10 microns in diameter; $PM_{2.5}$ = particulate matter less than or equal to 2.5 microns in diameter; SCAQMD = South Coast Air Quality Management District

Consistent with SCAQMD LST guidance, off-site emissions, such as those from worker vehicle exhaust, were not included in the evaluation of localized criteria pollutant impacts. LSTs are only applicable to the following criteria pollutants: NO_X, CO, PM_{10}, and $PM_{2.5}$. Localized criteria pollutant emissions from operation were estimated following the methodology described in Section 4.1.2.3.

Table 6-22 presents the daily criteria pollutant emissions that would be generated during operation of the MSF expansion at Metro's Division 16 (KNE Section 2 MSF), as well as the applicable SCAQMD LSTs. As described in Section 4.1.2.3, LSTs for a one-acre site with a receptor distance of 100 meters (328 feet) were used to assess Project operational impacts. Per the SCAQMD LST Methodology, the LSTs represent the maximum allowable daily emissions from sources situated on the Project site that will not result in the CAAQS being exceeded at sensitive receptor locations (SCAQMD 2009).

As shown in Table 6-22, operation of the MSF would result in peak daily on-site emissions that would be less than the SCAQMD LSTs, and impacts with respect to exposure of sensitive receptors to substantial localized criteria pollutant concentrations would be less than significant.

Employee commute vehicle trips to and from the MSF are included in the regional VMT forecasts and would not create congestion at nearby intersections. These vehicles are typically gasoline-powered and would not expose sensitive receptors to substantial TAC concentrations.

For the reasons described above, operation of the MSF would not expose sensitive receptors to substantial pollutant concentrations, and the impact would be less than significant.

6.1.4 IMPACT AQ-4: OTHER EMISSIONS

Impact AQ-4: Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?

6.1.4.1 ALIGNMENT ALTERNATIVE 1: SAN VICENTE-FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Other construction emission sources under the San Vicente-Fairfax Alignment Alternative with the potential to adversely affect a substantial number of people include diesel vehicle exhaust, which has a distinctive odor. Diesel-fueled equipment used during construction would have the potential to generate odors that may be considered unpleasant. Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, people's exposure to potential unpleasant construction-related odors near each site would be shorter in duration than the time required for each alignment alternative section and would cease upon completion of construction activities at that site. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Additionally, the project measures identified under Impact AQ-3 in Section 6.1.3.1 for the reduction of DPM emissions from diesel-fueled equipment would also be effective in limiting odor impacts from diesel construction equipment exhaust. Due to the temporary and highly mobile nature of alignment alternative construction and the implementation of project measures to reduce emissions from diesel-fueled equipment, the San Vicente-Fairfax Alignment Alternative would not result in other emissions, such as those leading to unpleasant odors, that would adversely affect a substantial number of people. Therefore, construction of the San Vicente-Fairfax Alignment Alternative would have a less than significant impact with respect to other emissions.

OPERATIONAL IMPACTS

Less than Significant Impact. Other operational emission sources under the San Vicente-Fairfax Alignment Alternative with the potential to adversely affect a substantial number of people include waste from passengers accessing the stations, which could have an unpleasant odor. SCAQMD has established Rule 402 (Nuisance), which avoids nuisance odor conditions through the establishment of odor complaint tracking systems and other requirements. Typical sources of potential nuisance odors include agricultural uses, wastewater treatment facilities, food processing and chemical plants, landfills, and refineries, none of which are associated with the Project. Trash receptacles at stations would be a minor source of odors and would be subject to regular servicing, maintenance, and cleaning to prevent unpleasant odors at the stations. Therefore, operation of the San Vicente-Fairfax Alignment Alternative would not result in unpleasant odors that adversely affect a substantial number of people, and the impact would be less than significant.

6.1.4.2 ALIGNMENT ALTERNATIVE 2: FAIRFAX

CONSTRUCTION IMPACTS

Less than Significant Impact. Other construction emission sources under the Fairfax Alignment Alternative with the potential to adversely affect a substantial number of people include diesel vehicle exhaust, which has a distinctive odor. Diesel-fueled equipment used during construction would have the potential to generate odors that may be considered unpleasant. Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, people's exposure to potential unpleasant construction-related odors near each site would be shorter in duration than for each alignment alternative section and would cease upon completion of construction activities at that site. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Additionally, the project measures identified under Impact AQ-3 in Section 6.1.3.2 for the reduction of DPM emissions from diesel-fueled equipment would also be effective in limiting odor impacts from diesel construction equipment exhaust. Due to the temporary and highly mobile nature of alignment alternative construction and the implementation of project measures to reduce emissions from diesel-fueled equipment, the Fairfax Alignment Alternative would not result in other emissions, such as those leading to unpleasant odors, that would adversely affect a substantial number of people. Therefore, construction of the Fairfax Alignment Alternative would have a less than significant impact with respect to other emissions.

OPERATIONAL IMPACTS

Less than Significant Impact. Other operational emission sources under the Fairfax Alignment Alternative with the potential to adversely affect a substantial number of people include waste from passengers accessing the stations, which could have an unpleasant odor. SCAQMD has established Rule 402 (Nuisance), which avoids nuisance odor conditions through the establishment of odor complaint tracking systems and other requirements. Typical sources of potential nuisance odors include agricultural uses, wastewater treatment facilities, food processing and chemical plants, landfills, and refineries, none of which are associated with the Project. Trash receptacles at stations would be a minor source of odors and would be subject to regular servicing, maintenance, and cleaning to prevent unpleasant odors at the stations. Therefore, operation of the Fairfax Alignment Alternative would not result in unpleasant odors that adversely affect a substantial number of people, and the impact would be less than significant.

6.1.4.3 ALIGNMENT ALTERNATIVE 3: LA BREA

CONSTRUCTION IMPACTS

Less than Significant Impact. Other construction emission sources under the La Brea Alignment Alternative with the potential to adversely affect a substantial number of people include diesel vehicle exhaust, which has a distinctive odor. Diesel-fueled equipment used during construction would have

the potential to generate odors that may be considered unpleasant. Construction of each alignment alternative section is anticipated to last eight to 10 years; however, due to the linear configuration of the alignment alternative, emissions would be spread across multiple construction staging sites. As a result, people's exposure to potential unpleasant construction-related odors near each site would be shorter in duration than the time required for each alignment alternative section and would cease upon completion of construction activities at that site. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Additionally, the project measures identified under Impact AQ-3 in Section 6.1.3.3 for the reduction of DPM emissions from diesel-fueled equipment would also be effective in limiting odor impacts from diesel construction equipment exhaust. Due to the temporary and highly mobile nature of alignment alternative construction and the implementation of project measures to reduce emissions from diesel-fueled equipment, the La Brea Alignment Alternative would not result in other emissions, such as those leading to unpleasant odors, that would adversely affect a substantial number of people. Therefore, construction of the La Brea Alignment Alternative would have a less than significant impact with respect to other emissions.

OPERATIONAL IMPACTS

Less than Significant Impact. Other operational emission sources under the La Brea Alignment Alternative with the potential to adversely affect a substantial number of people include waste from passengers accessing the stations, which could have an unpleasant odor. SCAQMD has established Rule 402 (Nuisance), which avoids nuisance odor conditions through the establishment of odor complaint tracking systems and other requirements. Typical sources of potential nuisance odors include agricultural uses, wastewater treatment facilities, food processing and chemical plants, landfills, and refineries, none of which are associated with the Project. Trash receptacles at stations would be a minor source of odors and would be subject to regular servicing, maintenance, and cleaning to prevent unpleasant odors at the stations. Therefore, operation of the La Brea Alignment Alternative would not result in unpleasant odors that adversely affect a substantial number of people, and the impact would be less than significant.

6.1.4.4 HOLLYWOOD BOWL DESIGN OPTION

CONSTRUCTION IMPACTS

Less than Significant Impact. Other construction emission sources under the Hollywood Bowl Design Option with the potential to adversely affect a substantial number of people include diesel vehicle exhaust, which has a distinctive odor. Diesel-fueled equipment used during construction would have the potential to generate odors that may be considered unpleasant. Construction at the Hollywood Bowl site is anticipated to occur intermittently over approximately eight years and would cease upon completion of construction activities at the Hollywood Bowl site. People's exposure to potential unpleasant construction-related odors near the site would vary over the duration of construction based on the type of construction activity. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Additionally, the project measures identified under Impact AQ-3 in Section 6.1.3.4 for the reduction of DPM emissions from diesel-fueled equipment would also be effective in limiting odor impacts from diesel construction equipment exhaust. Due to the temporary nature of design option construction and the implementation of project measures to reduce emissions from diesel-fueled equipment, the Hollywood Bowl Design Option would not result in other emissions, such as those leading to unpleasant odors, that would adversely affect a substantial number of people. Therefore, construction of the Hollywood Bowl Design Option would have a less than significant impact with respect to other emissions.

OPERATIONAL IMPACTS

Less than Significant Impact. Other operational emission sources under the Hollywood Bowl Design Option with the potential to adversely affect a substantial number of people include waste from passengers accessing the station, which could have an unpleasant odor. SCAQMD has established Rule 402 (Nuisance), which avoids nuisance odor conditions through the establishment of odor complaint tracking systems and other requirements. Typical sources of potential nuisance odors include agricultural uses, wastewater treatment facilities, food processing and chemical plants, landfills, and refineries, none of which are associated with the Project. Trash receptacles at the station would be a minor source of odors and would be subject to regular servicing, maintenance, and cleaning to prevent unpleasant odors at the station. Therefore, operation of the Hollywood Bowl Design Option would not result in unpleasant odors that adversely affect a substantial number of people, and the impact would be less than significant.

6.1.4.5 MAINTENANCE AND STORAGE FACILITY

CONSTRUCTION IMPACTS

Less than Significant Impact. Other construction emission sources associated with the MSF that have the potential to adversely affect a substantial number of people include diesel vehicle exhaust, which has a distinctive odor. Diesel-fueled equipment used during construction would have the potential to generate odors that may be considered unpleasant. Construction at the MSF site is anticipated to occur over two separate periods of approximately one year and four years. As a result, people's exposure to potential unpleasant construction-related odors near the MSF site would be temporary. See the KNE Construction Approach Report or Appendix A, Construction Data, for construction details.

Additionally, the project measures identified under Impact AQ-3 in Section 6.1.3.5 for the reduction of DPM emissions from diesel-fueled equipment would also be effective in limiting odor impacts from diesel construction equipment exhaust. Due to the temporary nature of MSF construction and the implementation of project measures to reduce emissions from diesel-fueled equipment, construction of the MSF would not result in other emissions, such as those leading unpleasant odors, that would adversely affect a substantial number of people. Therefore, construction of the MSF would have a less than significant impact with respect to other emissions.

OPERATIONAL IMPACTS

Less than Significant Impact. Other operational emission sources under the MSF with the potential to adversely affect a substantial number of people include combustion of natural gas for comfort heating, activities associated with maintenance and upkeep of structures, and activities required for servicing, cleaning, inspection, and repairs of LRVs. MSF Section 1 would add four storage tracks to the existing Division 16 site, and MSF Section 2 would expand the existing Division 16 MSF on the adjacent 16.5-acre site. Sources of potential nuisance odors are expected to be similar to those already occurring at Division 16, and operation of the existing Division 16 has not resulted in unpleasant odors affecting a substantial number of people. In addition, SCAQMD has established Rule 402 (Nuisance), which avoids nuisance odor conditions through the establishment of odor complaint tracking systems and other requirements. Therefore, operation of the MSF would not result in unpleasant odors that adversely affect a substantial number of people, and the impact would be less than significant.

6.1.5 SUMMARY OF IMPACT CONCLUSIONS

Table 6-23 provides a summary of the impact conclusions discussed in this section.

TABLE 6-23. IMPACT CONCLUSION SUMMARY TABLE

IMPACT SIGNIFICANCE THRESHOLD	IMPACT CONCLUSION				
	ALIGNMENT ALTERNATIVE 1: SAN VICENTE-FAIRFAX	ALIGNMENT ALTERNATIVE 2: FAIRFAX	ALIGNMENT ALTERNATIVE 3: LA BREA	HOLLYWOOD BOWL DESIGN OPTION	MAINTENANCE AND STORAGE FACILITY
Impact AQ-1: Would the Project conflict with or obstruct implementation of the applicable air quality plan?	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact
Impact AQ-2: Would the Project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or state ambient air quality standard?	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact
Impact AQ-3: Would the Project expose sensitive receptors to substantial pollutant concentrations?	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact
Impact AQ-4: Would the Project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact	Construction: Less than Significant Impact Operations: Less than Significant Impact

Source: Connect Los Angeles Partners 2023

6.2 MITIGATION MEASURES

As the impact analysis in Section 6.1 demonstrates, construction and operation of any of the alignment alternatives and stations, design option, and MSF would result in a less than significant impact related to air quality. Therefore, no mitigation is required under CEQA.

CHAPTER 7 CUMULATIVE IMPACTS

7.1 INTRODUCTION

Under the state CEQA Guidelines, cumulative impacts are defined as two or more individual impacts that, when considered together, are considerable or would compound and increase other environmental impacts (Section 15355). These cumulative impacts must be discussed in an EIR when the project's incremental effect is "cumulatively considerable" (Section 15130). "Cumulatively considerable" is defined as when the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects (Section 15065(a)(3)).

CEQA Guidelines Section 15130(b)(1) includes two methodology approaches for assessing cumulative impacts. One approach is a "list of past, present, and probable future projects producing related or cumulative impacts" (CEQA Guidelines Section 15130(b)(1)(A)). The other approach is a "summary of projections contained in an adopted local, regional, or statewide plan, or related document, that describes or evaluates conditions contributing to the cumulative effect" (CEQA Guidelines Section 15030 (b)(1)(B)). For the purposes of this analysis, the latter approach is used due to the long Project implementation time. The forecasted Project completion timeframe is in the mid- to late-2040s based on Metro Measure M funding. Due to the long-term nature of the Project's implementation, a list of land use and transportation projects is insufficient for the cumulative analysis since the currently known projects would be completed and operational by the Project's forecasted completion. In addition, it is highly likely many additional projects will be proposed and constructed between now and project implementation in 20 years; therefore, any project list developed now would be incomplete and incorrect.

The SCAG 2020-2045 RTP/SCS Plan is the adopted long-range forecast for population, households, and employment within the six-county Southern California region, which includes all Project elements. The Project is also included Metro's 2020 Long Range Transportation Plan. The RTP/SCS was adopted in 2020 and proposes land use and transportation strategies to improve mobility options and achieve a more sustainable growth pattern (SCAG 2020). SCAG worked in close coordination with decision-makers and the public across multiple jurisdictions throughout the SCAG region to create the plan. The population, household, and employment growth projections from this plan are used to assess regional growth and its cumulative impact within the vicinity of the Project.

For the cumulative analysis, the RSA is defined as a half-mile radius from the stations, the design option, and the MSF. The half-mile radius is used for all resources to ensure consistency in evaluating cumulative effects. Table 7-1 shows the projected net growth in population, households, and employment between 2019 and 2045 for a half-mile radius from all Project stations, the design option, and the MSF. The data in the table were calculated by merging the SCAG 2020 RTP/SCS growth projections with the SCAG Tier 2 Transportation Analysis Zone boundaries for Los Angeles County, then assessed for a half-mile radius around the stations, the design option, and the MSF. The data show the projected growth from transportation and development projects, as well as associated infrastructure, that when combined with the Project's construction and operation, could result in cumulative effects.

TABLE 7-1. SCAG PROJECTED PERCENT GROWTH FOR HALF-MILE BUFFER AREAS, 2019-2045

HALF-MILE BUFFER AREA	POPULATION % GROWTH	HOUSEHOLD % GROWTH	EMPLOYMENT % GROWTH
STATIONS			
Expo/Crenshaw	46.0	65.9	26.4
Crenshaw/Adams	35.6	56.3	19.6
Midtown Crossing	20.2	33.1	21.1
Wilshire/Fairfax	19.8	21.2	6.2
Fairfax/3rd	21.9	23.1	6.5
La Cienega/Beverly	30.7	31.3	6.1
San Vicente/Santa Monica	11.5	11.4	46.2
Fairfax/Santa Monica	7.2	7.7	49.5
La Brea/Santa Monica	16.0	17.2	42.6
Hollywood/Highland	16.2	15.0	3.0
Wilshire/La Brea	22.8	24.3	9.4
La Brea/Beverly	17.9	24.5	14.5
DESIGN OPTION			
Hollywood Bowl Design Option	30.4	29.0	17.4
MAINTENANCE AND STORAGE FACILITY			
MSF	14.0	15.9	9.9

Source: SCAG 2020 RTP/SCS Growth Forecast
MSF = maintenance and storage facility

Additionally, SCAQMD has developed guidance regarding assessment of cumulative air quality impacts. The SCAQMD's August 2003 *White Paper on Potential Control Strategies to Address Cumulative Impacts From Air Pollution* asserts that:

> *"projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant."* (SCAQMD 2003)

Attainment of the air quality standards is accomplished at the regional level, and SCAQMD guidance indicates that projects with mass daily emissions below the SCAQMD screening thresholds would not generate sufficient air pollution to render cumulative impacts potentially significant. SCAQMD's air quality significance thresholds acknowledge regional sources already contributing to nonattainment and other current and future individual projects. The air quality cumulative impacts analysis relies on SCAQMD guidance and significance thresholds to determine whether cumulative impacts would be significant in the region, including the cumulative analysis RSA described above.

7.2 CUMULATIVE IMPACTS

7.2.1 ALIGNMENTS AND STATIONS

Construction of the alignment alternatives and stations would generate emissions of air pollutants through the use of heavy-duty off-road equipment and on-road vehicles. In addition to exhaust fumes, off-road equipment would produce fugitive emissions, including dust during ground disturbance and material movement. On-road vehicles would produce fugitive re-entrained road dust. As described above, SCAQMD project-specific and cumulative significance thresholds are the same, and SCAQMD guidance indicates that projects that do not exceed the significance thresholds would not generate sufficient air pollution to render cumulative impacts potentially significant (SCAQMD 2003). As shown in Table 6-4, Table 6-6, and Table 6-8, construction activities associated with implementation of the alignment alternatives and stations would not generate mass daily emissions in excess of any regional-scale SCAQMD threshold for individual projects under CEQA. Additionally, construction activities associated with the alignment alternatives and stations would not generate localized mass daily emissions in excess of the SCAQMD LSTs per Table 6-15, Table 6-16, and Table 6-17.

The discussions provided under Section 6.1.1 and Section 6.1.2 determined that the alignment alternatives and stations would not contribute to an exacerbation of air quality violations or emit cumulatively considerable quantities of pollutants for which the SCAB is currently designated nonattainment. Additionally, the discussions provided under Section 6.1.3 determined that the alignment alternatives and stations would not expose sensitive receptors to substantial localized pollutant concentrations. Therefore, construction of the alignment alternatives and stations would result in a less than significant cumulative impact.

Following the completion of construction activities, long-term operation of the alignment alternatives and stations would not introduce a new substantial stationary, area, or mobile source of air pollutant emissions into the SCAB. The primary effect of operation of the alignment alternatives and stations on regional air quality would be the reduction of on-road VMT resulting from increased transit ridership. Operation of the alignment alternatives and stations would reduce emissions of air pollutants within the SCAB overall through the reduction of passenger vehicle trips. Additionally, the Project, including the alignment alternatives and stations, is included in the conforming SCAG 2020-2045 RTP/SCS. Therefore, operation of the alignment alternatives and stations would result in a less than significant cumulative impact.

7.2.2 HOLLYWOOD BOWL DESIGN OPTION

Construction of the Hollywood Bowl Design Option would generate emissions of air pollutants through the use of heavy-duty off-road equipment and on-road vehicles. In addition to exhaust fumes, off-road equipment would produce fugitive emissions, including dust during ground disturbance and material movement. On-road vehicles would produce fugitive re-entrained road dust. As described above, SCAQMD project-specific and cumulative significance thresholds are the same, and SCAQMD guidance indicates that projects that do not exceed the significance thresholds would not generate sufficient air pollution to render cumulative impacts potentially significant (SCAQMD 2003). As shown in Table 6-10, Table 6-11, and Table 6-12, construction activities associated with implementation of the Hollywood Bowl

Design Option would not generate mass daily emissions in excess of any regional-scale SCAQMD threshold for individual projects under CEQA. Additionally, construction activities associated with the Hollywood Bowl Design Option would not generate localized mass daily emissions in excess of the SCAQMD LSTs per Table 6-18, Table 6-19, and Table 6-20.

The discussions provided under Section 6.1.1 and Section 6.1.2 determined that the Hollywood Bowl Design Option would not contribute to an exacerbation of air quality violations or emit cumulatively considerable quantities of pollutants for which the SCAB is currently designated nonattainment. Additionally, the discussion provided under Section 6.1.3 determined that the Hollywood Bowl Design Option would not expose sensitive receptors to substantial localized pollutant concentrations. Therefore, construction of the Hollywood Bowl Design Option would result in a less than significant cumulative impact.

Following the completion of construction activities, long-term operation of the Hollywood Bowl Design Option would not introduce a new substantial stationary, area, or mobile source of air pollutant emissions into the SCAB. Implementation of the Hollywood Bowl Design Option would not appreciably increase or decrease ridership of the light rail system, nor would it be expected to appreciably increase or decrease VMT in the RSA relative to the alignment alternatives; therefore, there was no change to regional vehicle traffic emissions estimates as a result of the Hollywood Bowl Design Option. Additionally, the Project, including the Hollywood Bowl Design Option, is included in the conforming SCAG 2020-2045 RTP/SCS. Therefore, operation of the Hollywood Bowl Design Option would result in a less than significant cumulative impact.

7.2.3 MAINTENANCE AND STORAGE FACILITY

Project activities associated with construction of the MSF additions would generate emissions of air pollutants through the use of heavy-duty off-road equipment and on-road vehicles. In addition to exhaust fumes, off-road equipment would produce fugitive emissions, including dust during ground disturbance and material movement. On-road vehicles would produce fugitive re-entrained road dust. As described above, SCAQMD project-specific and cumulative significance thresholds are the same, and SCAQMD guidance indicates that projects that do not exceed the significance thresholds would not generate sufficient air pollution to render cumulative impacts potentially significant (SCAQMD 2003). As shown in Table 6-13, construction activities associated with the MSF additions would not generate mass daily emission in excess of any regional-scale SCAQMD threshold for individual projects under CEQA. Additionally, construction activities associated with the MSF additions would not generate localized mass daily emissions in excess of the SCAQMD LSTs per Table 6-21.

The discussions provided under Section 6.1.1 and Section 6.1.2 determined that the MSF additions would not contribute to an exacerbation of air quality violations or emit cumulatively considerable quantities of pollutants for which the SCAB is currently designated nonattainment, respectively. Additionally, the discussion provided under Section 6.1.3 determined that the MSF additions would not expose sensitive receptors to substantial localized pollutant concentrations. Therefore, construction of the MSF additions would result in a less than significant cumulative impact.

Operation of an MSF is essential in maintaining a reliable light rail system. It would generate emissions of air pollutants through the use of equipment, natural gas, architectural coatings, and consumer products. As shown in Table 6-14 and Table 6-22, emissions from operation of the MSF additions would be below the applicable regional and localized SCAQMD thresholds. Additionally, the Project, including the MSF, is included in the conforming SCAG 2020-2045 RTP/SCS. Therefore, operation of the MSF would result in a less than significant cumulative impact.

7.3 CUMULATIVE MITIGATION MEASURES

The Project's effects on air quality for the alignment alternatives and stations, design option, and MSF would not be cumulatively considerable. Therefore, no mitigation is required under CEQA.

CHAPTER 8 REFERENCES

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APPENDIX A **CONSTRUCTION DATA**

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
Maintenance and Storage Facility Expansion (Div 16)	12	3/3/2048	3/1/2049
Demolition, grading, and site preparation at Existing Div. 16 Facility	6	3/3/2048	8/31/2048
Trackwork and systems	6	9/1/2048	3/1/2049

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	3/3/2048	8/31/2048	130
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	3/3/2048	8/31/2048	130
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	3/3/2048	8/31/2048	130
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/3/2048	8/31/2048	130
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	3/3/2048	8/31/2048	130
Trackwork and systems	47	6/13/2045	4/12/2049								
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	9/1/2048	3/1/2049	130
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	9/1/2048	3/1/2049	130
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	9/1/2048	3/1/2049	130
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	9/1/2048	3/1/2049	130
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	9/1/2048	3/1/2049	130

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
Maintenance and Storage Facility Expansion (Div 16)	12	3/3/2048	3/1/2049
Demolition, grading, and site preparation at Existing Div. 16 Facility	6	3/3/2048	8/31/2048
Trackwork and systems	6	9/1/2048	3/1/2049

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/3/2048	8/31/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	3/3/2048	8/31/2048	130
Truck Loading Dust	Tons of material being loaded per day	120	Aggregate	3/3/2048	8/31/2048	130
Truck Loading on site - idling	Number of Vehicles	10	12	3/3/2048	8/31/2048	130
Trucks Traveling on site	Number of Vehicles	10	Paved	3/3/2048	8/31/2048	130
Deliveries on site - idling	Number of Vehicles	0		3/3/2048	8/31/2048	130
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/3/2048	8/31/2048	130
Cement Trucks - idling	Number of Vehicles	0		3/3/2048	8/31/2048	130
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/3/2048	8/31/2048	130
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/1/2048	3/1/2049	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	9/1/2048	3/1/2049	130
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	9/1/2048	3/1/2049	130
Truck Loading on site - idling	Number of Vehicles	2	12	9/1/2048	3/1/2049	130
Trucks Traveling on site	Number of Vehicles	2	Paved	9/1/2048	3/1/2049	130
Deliveries on site - idling	Number of Vehicles	7		9/1/2048	3/1/2049	130
Deliveries Traveling on site	Number of Vehicles	7	Paved	9/1/2048	3/1/2049	130
Cement Trucks - idling	Number of Vehicles	0		9/1/2048	3/1/2049	130
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/1/2048	3/1/2049	130

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Wilshire Station and Crossover	69	9/23/2042	5/18/2048	1475
Demolition, utility relocation, and site preparation	17	9/23/2042	2/22/2044	370
Shoring and excavation	17	9/8/2043	2/6/2045	370
Cast-in-place station box structure	17	8/1/2045	12/31/2046	370
MEP and Architectural finish work	15	1/1/2047	3/23/2048	320
Backfill, exterior entry, and surface restoration	17	1/1/2047	5/18/2048	360

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	9/23/2042	2/22/2043	109
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	9/23/2042	2/22/2043	109
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	9/23/2042	2/22/2043	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	2/7/2043	2/22/2044	271
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	2/7/2043	2/22/2044	271
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	2/7/2043	2/22/2044	271
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/7/2043	2/22/2044	271
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	2/7/2043	2/22/2044	271
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	9/8/2043	3/10/2044	133
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	9/8/2043	3/10/2044	133
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	9/8/2043	3/10/2044	133
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	9/8/2043	3/10/2044	133
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	9/8/2043	3/10/2044	133
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	9/8/2043	3/10/2044	133
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	9/8/2043	3/10/2044	133
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	9/8/2043	3/10/2044	133
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/8/2043	3/10/2044	133
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/8/2043	3/10/2044	133
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	9/8/2043	3/10/2044	133
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/25/2044	5/19/2044	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/25/2044	5/19/2044	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/25/2044	5/19/2044	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/25/2044	5/19/2044	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/25/2044	5/19/2044	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	5/19/2044	2/6/2045	188
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	5/19/2044	2/6/2045	188
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/19/2044	2/6/2045	188
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	5/19/2044	2/6/2045	188
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	5/19/2044	2/6/2045	188
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	5/19/2044	2/6/2045	188
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	5/19/2044	2/6/2045	188
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	5/19/2044	2/6/2045	188
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	5/19/2044	2/6/2045	188
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	8/1/2045	12/31/2046	370
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/1/2045	12/31/2046	370
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	8/1/2045	12/31/2046	370
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/1/2045	12/31/2046	370
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	8/1/2045	12/31/2046	370
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/1/2045	12/31/2046	370
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/1/2047	3/23/2048	320
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	1/1/2047	3/23/2048	320
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	1/1/2047	3/23/2048	320
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	1/1/2047	3/23/2048	320
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	1/1/2047	10/1/2047	196
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/1/2047	10/1/2047	196
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	1/1/2047	10/1/2047	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	1/1/2047	10/1/2047	196
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	9/17/2047	12/10/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	9/17/2047	12/10/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	9/17/2047	12/10/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	9/17/2047	12/10/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	9/17/2047	12/10/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	10/1/2047	5/18/2048	165
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	10/1/2047	5/18/2048	165
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	10/1/2047	5/18/2048	165
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	10/1/2047	5/18/2048	165

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Wilshire Station and Crossover	69	9/23/2042	5/18/2048	
Demolition, utility relocation, and site preparation	17	9/23/2042	2/22/2044	370
Shoring and excavation	17	9/8/2043	2/6/2045	370
Cast-in-place station box structure	17	8/1/2045	12/31/2046	370
MEP and Architectural finish work	15	1/1/2047	3/23/2048	320
Backfill, exterior entry, and surface restoration	17	1/1/2047	5/18/2048	360

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	2/22/2043	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	9/23/2042	2/22/2043	109
Truck Loading Dust	Tons of material being loaded per day	108	Aggregate	9/23/2042	2/22/2043	109
Truck Loading on site - idling	Number of Vehicles	9	12	9/23/2042	2/22/2043	109
Trucks Traveling on site	Number of Vehicles	9	Paved	9/23/2042	2/22/2043	109
Deliveries on site - idling	Number of Vehicles	0		9/23/2042	2/22/2043	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	9/23/2042	2/22/2043	109
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	2/22/2043	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/23/2042	2/22/2043	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/7/2043	2/22/2044	271
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/7/2043	2/22/2044	271
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/7/2043	2/22/2044	271
Truck Loading on site - idling	Number of Vehicles	0	12	2/7/2043	2/22/2044	271
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/7/2043	2/22/2044	271
Deliveries on site - idling	Number of Vehicles	4		2/7/2043	2/22/2044	271
Deliveries Traveling on site	Number of Vehicles	4	Paved	2/7/2043	2/22/2044	271
Cement Trucks - idling	Number of Vehicles	0		2/7/2043	2/22/2044	271
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/7/2043	2/22/2044	271
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/8/2043	3/10/2044	133
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/8/2043	3/10/2044	133
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	9/8/2043	3/10/2044	133
Truck Loading on site - idling	Number of Vehicles	20	12	9/8/2043	3/10/2044	133
Trucks Traveling on site	Number of Vehicles	20	Unpaved	9/8/2043	3/10/2044	133
Deliveries on site - idling	Number of Vehicles	4		9/8/2043	3/10/2044	133
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	9/8/2043	3/10/2044	133
Cement Trucks - idling	Number of Vehicles	28		9/8/2043	3/10/2044	133
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	9/8/2043	3/10/2044	133
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/25/2044	5/19/2044	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/25/2044	5/19/2044	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/25/2044	5/19/2044	36
Truck Loading on site - idling	Number of Vehicles	0	12	2/25/2044	5/19/2044	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/25/2044	5/19/2044	36
Deliveries on site - idling	Number of Vehicles	13		2/25/2044	5/19/2044	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/25/2044	5/19/2044	36
Cement Trucks - idling	Number of Vehicles	0		2/25/2044	5/19/2044	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/25/2044	5/19/2044	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/19/2044	2/6/2045	188
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	5/19/2044	2/6/2045	188
Truck Loading Dust	Tons of material being loaded per day	3,620	Dirt	5/19/2044	2/6/2045	188
Truck Loading on site - idling	Number of Vehicles	181	20	5/19/2044	2/6/2045	188
Trucks Traveling on site	Number of Vehicles	181	Paved	5/19/2044	2/6/2045	188
Deliveries on site - idling	Number of Vehicles	0		5/19/2044	2/6/2045	188
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/19/2044	2/6/2045	188
Cement Trucks - idling	Number of Vehicles	0		5/19/2044	2/6/2045	188
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/19/2044	2/6/2045	188
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/1/2045	12/31/2046	370
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/1/2045	12/31/2046	370
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/1/2045	12/31/2046	370
Truck Loading on site - idling	Number of Vehicles	0	12	8/1/2045	12/31/2046	370
Trucks Traveling on site	Number of Vehicles	0	Paved	8/1/2045	12/31/2046	370
Deliveries on site - idling	Number of Vehicles	0		8/1/2045	12/31/2046	370
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/1/2045	12/31/2046	370
Cement Trucks - idling	Number of Vehicles	8		8/1/2045	12/31/2046	370
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	8/1/2045	12/31/2046	370

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
2	87120	2	174240	11325.6	104	9

Volume (yd^3 6,453
x 1.3 8,389

6.13

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1080	115	11302200	678132	3607	180

Begin	19320
End	20400

Volume (yd^3 418,600
x 1.3 544,180

K Line Northern Extension
Construction Data

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/1/2047	3/23/2048	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/1/2047	3/23/2048	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/1/2047	3/23/2048	320
Truck Loading on site - idling	Number of Vehicles	0	12	1/1/2047	3/23/2048	320
Trucks Traveling on site	Number of Vehicles	0	Paved	1/1/2047	3/23/2048	320
Deliveries on site - idling	Number of Vehicles	10		1/1/2047	3/23/2048	320
Deliveries Traveling on site	Number of Vehicles	10	Paved	1/1/2047	3/23/2048	320
Cement Trucks - idling	Number of Vehicles	0		1/1/2047	3/23/2048	320
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/1/2047	3/23/2048	320
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/1/2047	10/1/2047	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/1/2047	10/1/2047	196
Truck Loading Dust	Tons of material being loaded per day	588	Dirt	1/1/2047	10/1/2047	196
Truck Loading on site - idling	Number of Vehicles	49	12	1/1/2047	10/1/2047	196
Trucks Traveling on site	Number of Vehicles	49	Paved	1/1/2047	10/1/2047	196
Deliveries on site - idling	Number of Vehicles	0		1/1/2047	10/1/2047	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/1/2047	10/1/2047	196
Cement Trucks - idling	Number of Vehicles	0		1/1/2047	10/1/2047	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/1/2047	10/1/2047	196
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/17/2047	12/10/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/17/2047	12/10/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/17/2047	12/10/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	9/17/2047	12/10/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2047	12/10/2047	36
Deliveries on site - idling	Number of Vehicles	13		9/17/2047	12/10/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	9/17/2047	12/10/2047	36
Cement Trucks - idling	Number of Vehicles	0		9/17/2047	12/10/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2047	12/10/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/1/2047	5/18/2048	165
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	10/1/2047	5/18/2048	165
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/1/2047	5/18/2048	165
Truck Loading on site - idling	Number of Vehicles	0	12	10/1/2047	5/18/2048	165
Trucks Traveling on site	Number of Vehicles	0	Paved	10/1/2047	5/18/2048	165
Deliveries on site - idling	Number of Vehicles	3		10/1/2047	5/18/2048	165
Deliveries Traveling on site	Number of Vehicles	3	Paved	10/1/2047	5/18/2048	165
Cement Trucks - idling	Number of Vehicles	0		10/1/2047	5/18/2048	165
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/1/2047	5/18/2048	165

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1080	25	1890000	113400	579	48

Volume (yd^3 70,000
x 1.3 91,000

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - Midtown Crossing	27	2/12/2041	4/20/2043	
Mobilize - Tunneling	1	7/15/2042	8/11/2042	
TBM Assembly	2	2/24/2043	4/20/2043	
Tunnel Boring	28	4/21/2043	7/31/2045	
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	11	4/21/2043	3/7/2044	
Disassembly of TBM and Relocate	2	3/8/2044	5/2/2044	# this task is accounted for in CE station
TBM Reassembly	2	5/3/2044	6/27/2044	
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW) & Bore tunnel tail tracks Fairfax/Wilshire (FW)	13	6/28/2044	7/31/2045	
Crosspassage	29	5/3/2044	9/10/2046	
Crosspassage excavations (MC to CE)	9	*5/3/2044*	*1/23/2045*	
Crosspassage structural concrete lining (MC to CE)	9	*9/20/2044*	*6/12/2045*	
Crosspassage excavations (MC to FW)	9	*8/1/2045*	*4/23/2046*	
Crosspassage structural concrete lining (MC to FW)	9	*12/19/2045*	*9/10/2046*	
Trackwork	51	6/13/2045	8/30/2049	
Trackwork, track systems, and structural concrete (MC to CE)	26	*6/13/2045*	*7/22/2047*	
Trackwork, track systems, and structural concrete (MC to FW)	26	*7/23/2047*	*8/30/2049*	
Midtown Crossing Station and Crossover	98	2/12/2041	3/1/2049	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and excavation	19	10/8/2041	4/20/2043	
Place concrete slab for station box	2	9/20/2044	11/28/2044	# start the "CIP station box structure" 2 months in advance. Originally set to start 10/16/2046
Cast-in-place station box structure	14	10/16/2046	12/16/2047	
MEP and Architectural finish work	13	12/17/2047	1/4/2049	
Backfill, exterior entry, and surface restoration	15	12/17/2047	3/1/2049	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	3	0.50	8	4	12	2/12/2041	10/12/2041	174
Telehandler-175	Tier 4	142	Diesel	3	0.75	8	6	18	2/12/2041	10/12/2041	174
Bobcat-175	Fleet Average	125	Diesel	3	0.50	8	4	12	2/12/2041	10/12/2041	174
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/28/2041	5/5/2042	156
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	9/28/2041	5/5/2042	156

Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	10/8/2041	2/8/2042	89
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	10/8/2041	2/8/2042	89
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	10/8/2041	2/8/2042	89
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	10/8/2041	2/8/2042	89
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	10/8/2041	2/8/2042	89
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	10/8/2041	2/8/2042	89
Decking - 4 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	1/8/2042	2/5/2042	12
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	1/8/2042	2/5/2042	12
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/5/2042	4/20/2043	314
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/5/2042	4/20/2043	314
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/5/2042	4/20/2043	314
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/5/2042	4/20/2043	314
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/5/2042	4/20/2043	314
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/15/2042	8/11/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/24/2043	4/20/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/24/2043	4/20/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/24/2043	4/20/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/24/2043	4/20/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/24/2043	4/20/2043	40

Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	4/21/2043	3/7/2044	230
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	4/21/2043	3/7/2044	230
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	4/21/2043	3/7/2044	230
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	4/21/2043	3/7/2044	230
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	4/21/2043	3/7/2044	230
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	4/21/2043	3/7/2044	230
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	4/21/2043	3/7/2044	230
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	4/21/2043	3/7/2044	230
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	4/21/2043	3/7/2044	230
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/3/2044	6/27/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	5/3/2044	6/27/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	5/3/2044	6/27/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	5/3/2044	6/27/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	5/3/2044	6/27/2044	40
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	0										
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	6/28/2044	7/31/2045	285
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	6/28/2044	7/31/2045	285
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	6/28/2044	7/31/2045	285
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	6/28/2044	7/31/2045	285
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	6/28/2044	7/31/2045	285
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	6/28/2044	7/31/2045	285
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	6/28/2044	7/31/2045	285
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	6/28/2044	7/31/2045	285
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	6/28/2044	7/31/2045	285
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	6/28/2044	7/31/2045	285
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	6/28/2044	7/31/2045	285
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	6/28/2044	7/31/2045	285
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	6/28/2044	7/31/2045	285
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	6/28/2044	7/31/2045	285
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	6/28/2044	7/31/2045	285
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	6/28/2044	7/31/2045	285

Crosspassage	0										
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	5/3/2044	9/10/2046	615
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	5/3/2044	9/10/2046	615
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	5/3/2044	9/10/2046	615
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	5/3/2044	9/10/2046	615
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	5/3/2044	9/10/2046	615
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	5/3/2044	9/10/2046	615
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	5/3/2044	9/10/2046	615
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	5/3/2044	9/10/2046	615
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	5/3/2044	9/10/2046	615
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	5/3/2044	9/10/2046	615
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	5/3/2044	9/10/2046	615
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/13/2045	8/30/2049	1100
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/13/2045	8/30/2049	1100
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/13/2045	8/30/2049	1100
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/13/2045	8/30/2049	1100
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	8/16/2046	12/16/2047	348
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/16/2046	12/16/2047	348
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	8/16/2046	12/16/2047	348
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/16/2046	12/16/2047	348
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	8/16/2046	12/16/2047	348
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/16/2046	12/16/2047	348
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/17/2047	1/4/2049	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	12/17/2047	1/4/2049	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	12/17/2047	1/4/2049	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	12/17/2047	1/4/2049	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	12/17/2047	6/16/2048	131
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/17/2047	6/16/2048	131
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	12/17/2047	6/16/2048	131
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	12/17/2047	6/16/2048	131
Decking removal - 4 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	6/2/2048	6/30/2048	12
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	6/2/2048	6/30/2048	12
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	6/2/2048	6/30/2048	12
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	6/2/2048	6/30/2048	12
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	6/2/2048	6/30/2048	12
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	6/16/2048	3/1/2049	185
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	6/16/2048	3/1/2049	185
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	6/16/2048	3/1/2049	185
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	6/16/2048	3/1/2049	185

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - Midtown Crossing	27	2/12/2041	4/20/2043	
Mobilize - Tunneling	1	7/15/2042	8/11/2042	
TBM Assembly	2	2/24/2043	4/20/2043	
Tunnel Boring	28	4/21/2043	7/31/2045	
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	11	4/21/2043	3/7/2044	
Disassembly of TBM and Relocate	2	3/8/2044	5/2/2044	# this task is accounted for in CE station
TBM Reassembly	2	5/3/2044	6/27/2044	
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW) & Bore tunnel tail tracks Fairfax/Wilshire (FW)	13	6/28/2044	7/31/2045	
Crosspassage	29	5/3/2044	9/10/2046	
Crosspassage excavations (MC to CE)	9	*5/3/2044*	*1/23/2045*	
Crosspassage structural concrete lining (MC to CE)	9	*9/20/2044*	*6/12/2045*	
Crosspassage excavations (MC to FW)	9	*8/1/2045*	*4/23/2046*	
Crosspassage structural concrete lining (MC to FW)	9	*12/19/2045*	*9/10/2046*	
Trackwork	51	6/13/2045	8/30/2049	
Trackwork, track systems, and structural concrete (MC to CE)	26	*6/13/2045*	*7/22/2047*	
Trackwork, track systems, and structural concrete (MC to FW)	26	*7/23/2047*	*8/30/2049*	
Midtown Crossing Station and Crossover	98	2/12/2041	3/1/2049	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and excavation	19	10/8/2041	4/20/2043	
Place concrete slab for station box	2	9/20/2044	11/28/2044	# start the "CIP station box structure" 2 months in advance. Originally set to start 10/16/2046
Cast-in-place station box structure	14	10/16/2046	12/16/2047	
MEP and Architectural finish work	13	12/17/2047	1/4/2049	
Backfill, exterior entry, and surface restoration	15	12/17/2047	3/1/2049	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	10/12/2041	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	2/12/2041	10/12/2041	174
Truck Loading Dust	Tons of material being loaded per day	228	Aggregate	2/12/2041	10/12/2041	174
Truck Loading on site - idling	Number of Vehicles	19	12	2/12/2041	10/12/2041	174
Trucks Traveling on site	Number of Vehicles	19	Paved	2/12/2041	10/12/2041	174
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	10/12/2041	174
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	10/12/2041	174
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	10/12/2041	174
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	10/12/2041	174
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/28/2041	5/5/2042	156
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/28/2041	5/5/2042	156
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/28/2041	5/5/2042	156
Truck Loading on site - idling	Number of Vehicles	0	12	9/28/2041	5/5/2042	156
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/28/2041	5/5/2042	156
Deliveries on site - idling	Number of Vehicles	4		9/28/2041	5/5/2042	156
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/28/2041	5/5/2042	156
Cement Trucks - idling	Number of Vehicles	0		9/28/2041	5/5/2042	156
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/28/2041	5/5/2042	156
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/8/2041	2/8/2042	89
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	10/8/2041	2/8/2042	89
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	10/8/2041	2/8/2042	89
Truck Loading on site - idling	Number of Vehicles	5	12	10/8/2041	2/8/2042	89
Trucks Traveling on site	Number of Vehicles	5	Unpaved	10/8/2041	2/8/2042	89
Deliveries on site - idling	Number of Vehicles	1		10/8/2041	2/8/2042	89
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	10/8/2041	2/8/2042	89
Cement Trucks - idling	Number of Vehicles	7		10/8/2041	2/8/2042	89
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	10/8/2041	2/8/2042	89

Excavation Quantity							
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
7	304920	2	609840	39639.6	228	19	
		Volume (yd^3	22,587				
		x 1.3	29,363				
4.1							

Decking - 4 Weekends														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/8/2042	2/5/2042	12								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/8/2042	2/5/2042	12								
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/8/2042	2/5/2042	12								
Truck Loading on site - idling	Number of Vehicles	0	12	1/8/2042	2/5/2042	12								
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/8/2042	2/5/2042	12								
Deliveries on site - idling	Number of Vehicles	13		1/8/2042	2/5/2042	12								
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1/8/2042	2/5/2042	12								
Cement Trucks - idling	Number of Vehicles	0		1/8/2042	2/5/2042	12								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/8/2042	2/5/2042	12								
Excavation														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2042	4/20/2043	314	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/5/2042	4/20/2043	314	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	1,180	Dirt	2/5/2042	4/20/2043	314	70	890	76	6155240	369314.4	1176	59	
Truck Loading on site - idling	Number of Vehicles	59	20	2/5/2042	4/20/2043	314								
Trucks Traveling on site	Number of Vehicles	59	Paved	2/5/2042	4/20/2043	314			Volume (yd^3	227,972				
Deliveries on site - idling	Number of Vehicles	0		2/5/2042	4/20/2043	314			x 1.3	296,363				
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/5/2042	4/20/2043	314								
Cement Trucks - idling	Number of Vehicles	0		2/5/2042	4/20/2043	314								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2042	4/20/2043	314								
TBM Equipment Setup														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/15/2042	8/11/2042	20								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/15/2042	8/11/2042	20								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/15/2042	8/11/2042	20								
Truck Loading on site - idling	Number of Vehicles	0	12	7/15/2042	8/11/2042	20								
Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20								
Deliveries on site - idling	Number of Vehicles	6		7/15/2042	8/11/2042	20								
Deliveries Traveling on site	Number of Vehicles	6	Paved	7/15/2042	8/11/2042	20								
Cement Trucks - idling	Number of Vehicles	0		7/15/2042	8/11/2042	20								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20								
TBM Assembly														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/24/2043	4/20/2043	40								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/24/2043	4/20/2043	40								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/24/2043	4/20/2043	40								
Truck Loading on site - idling	Number of Vehicles	0	12	2/24/2043	4/20/2043	40								
Trucks Traveling on site	Number of Vehicles	0	Paved	2/24/2043	4/20/2043	40								
Deliveries on site - idling	Number of Vehicles	2		2/24/2043	4/20/2043	40								
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/24/2043	4/20/2043	40								
Cement Trucks - idling	Number of Vehicles	0		2/24/2043	4/20/2043	40								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/24/2043	4/20/2043	40								
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/21/2043	3/7/2044	230	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	4/21/2043	3/7/2044	230	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	1,900	Dirt	4/21/2043	3/7/2044	230	22	9540	380.13271	7252932.1	435175.93	1892	95	
Truck Loading on site - idling	Number of Vehicles	95	20	4/21/2043	3/7/2044	230								
Trucks Traveling on site	Number of Vehicles	95	Paved	4/21/2043	3/7/2044	230								
Deliveries on site - idling	Number of Vehicles	17		4/21/2043	3/7/2044	230			Volume (yd^3	268,627				
Deliveries Traveling on site	Number of Vehicles	17	Paved	4/21/2043	3/7/2044	230			x 1.3	349,215				
Cement Trucks - idling	Number of Vehicles	0		4/21/2043	3/7/2044	230								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/21/2043	3/7/2044	230								
TBM Reassembly								18385	36770					
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/3/2044	6/27/2044	40								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/3/2044	6/27/2044	40								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/3/2044	6/27/2044	40								
Truck Loading on site - idling	Number of Vehicles	0	12	5/3/2044	6/27/2044	40								
Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40								
Deliveries on site - idling	Number of Vehicles	2		5/3/2044	6/27/2044	40								
Deliveries Traveling on site	Number of Vehicles	2	Paved	5/3/2044	6/27/2044	40								
Cement Trucks - idling	Number of Vehicles	0		5/3/2044	6/27/2044	40								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40								

Bore tunnels from Midtown Crossing (MC) to Fairfax/Wilshire (FW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/28/2044	7/31/2045	285	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	6/28/2044	7/31/2045	285	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	1,420	Dirt	6/28/2044	7/31/2045	285	22	8845	380.13271	6724547.7	403472.86	1416	71		
Truck Loading on site - idling	Number of Vehicles	71	20	6/28/2044	7/31/2045	285									
Trucks Traveling on site	Number of Vehicles	71	Paved	6/28/2044	7/31/2045	285	Begin	10475							
Deliveries on site - idling	Number of Vehicles	17		6/28/2044	7/31/2045	285	End	19320							
Deliveries Traveling on site	Number of Vehicles	17	Paved	6/28/2044	7/31/2045	285									
Cement Trucks - idling	Number of Vehicles	0		6/28/2044	7/31/2045	285			Volume (yd^3	249,057					
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/28/2044	7/31/2045	285			x 1.3	323,775					
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/3/2044	9/10/2046	615	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	5/3/2044	9/10/2046	615	Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	5/3/2044	9/10/2046	615	12	460	12	66240	3974.4	6	1		
Truck Loading on site - idling	Number of Vehicles	1	12	5/3/2044	9/10/2046	615									
Trucks Traveling on site	Number of Vehicles	1	Paved	5/3/2044	9/10/2046	615			Volume (yd^3	2,453					
Deliveries on site - idling	Number of Vehicles	0		5/3/2044	9/10/2046	615			x 1.3	3,189					
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/3/2044	9/10/2046	615									
Cement Trucks - idling	Number of Vehicles	1		5/3/2044	9/10/2046	615									
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	5/3/2044	9/10/2046	615									
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/13/2045	8/30/2049	1100									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/13/2045	8/30/2049	1100									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/13/2045	8/30/2049	1100									
Truck Loading on site - idling	Number of Vehicles	0	12	6/13/2045	8/30/2049	1100									
Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	8/30/2049	1100									
Deliveries on site - idling	Number of Vehicles	7		6/13/2045	8/30/2049	1100									
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/13/2045	8/30/2049	1100									
Cement Trucks - idling	Number of Vehicles	0		6/13/2045	8/30/2049	1100									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	8/30/2049	1100									
Cast-in-place station box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/16/2046	12/16/2047	348									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/16/2046	12/16/2047	348									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/16/2046	12/16/2047	348									
Truck Loading on site - idling	Number of Vehicles	0	12	8/16/2046	12/16/2047	348									
Trucks Traveling on site	Number of Vehicles	0	Paved	8/16/2046	12/16/2047	348									
Deliveries on site - idling	Number of Vehicles	0		8/16/2046	12/16/2047	348									
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/16/2046	12/16/2047	348									
Cement Trucks - idling	Number of Vehicles	8		8/16/2046	12/16/2047	348									
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	8/16/2046	12/16/2047	348									
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/17/2047	1/4/2049	275									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/17/2047	1/4/2049	275									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/17/2047	1/4/2049	275									
Truck Loading on site - idling	Number of Vehicles	0	12	12/17/2047	1/4/2049	275									
Trucks Traveling on site	Number of Vehicles	0	Paved	12/17/2047	1/4/2049	275									
Deliveries on site - idling	Number of Vehicles	10		12/17/2047	1/4/2049	275									
Deliveries Traveling on site	Number of Vehicles	10	Paved	12/17/2047	1/4/2049	275									
Cement Trucks - idling	Number of Vehicles	0		12/17/2047	1/4/2049	275									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/17/2047	1/4/2049	275									
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/17/2047	6/16/2048	131	Backfill Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/17/2047	6/16/2048	131	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	744	Dirt	12/17/2047	6/16/2048	131	70	890	20	1619800	97188	742	62		
Truck Loading on site - idling	Number of Vehicles	62	12	12/17/2047	6/16/2048	131									
Trucks Traveling on site	Number of Vehicles	62	Paved	12/17/2047	6/16/2048	131			Volume (yd^3	59,993					
Deliveries on site - idling	Number of Vehicles	0		12/17/2047	6/16/2048	131			x 1.3	77,990					
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/17/2047	6/16/2048	131									
Cement Trucks - idling	Number of Vehicles	0		12/17/2047	6/16/2048	131									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/17/2047	6/16/2048	131									

Decking removal - 4 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/2/2048	6/30/2048	12
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/2/2048	6/30/2048	12
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/2/2048	6/30/2048	12
Truck Loading on site - idling	Number of Vehicles	0	12	6/2/2048	6/30/2048	12
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/2/2048	6/30/2048	12
Deliveries on site - idling	Number of Vehicles	13		6/2/2048	6/30/2048	12
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	6/2/2048	6/30/2048	12
Cement Trucks - idling	Number of Vehicles	0		6/2/2048	6/30/2048	12
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/2/2048	6/30/2048	12
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/16/2048	3/1/2049	185
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/16/2048	3/1/2049	185
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/16/2048	3/1/2049	185
Truck Loading on site - idling	Number of Vehicles	0	12	6/16/2048	3/1/2049	185
Trucks Traveling on site	Number of Vehicles	0	Paved	6/16/2048	3/1/2049	185
Deliveries on site - idling	Number of Vehicles	6		6/16/2048	3/1/2049	185
Deliveries Traveling on site	Number of Vehicles	6	Paved	6/16/2048	3/1/2049	185
Cement Trucks - idling	Number of Vehicles	0		6/16/2048	3/1/2049	185
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/16/2048	3/1/2049	185

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Crenshaw/Adams Station and Crossover	70	7/30/2041	4/15/2047	1490
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042	300
Shoring and excavation	14	5/6/2042	6/29/2043	300
Cast-in-place connection structure	14	12/27/2044	2/19/2046	300
MEP and Architectural finish work	12	2/20/2046	2/18/2047	260
Backfill, exterior entry, and surface restoration	14	2/20/2046	4/15/2047	300

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/30/2041	1/30/2042	133
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/30/2041	1/30/2042	133
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/30/2041	1/30/2042	133
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/15/2042	9/22/2042	179
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/15/2042	9/22/2042	179
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	5/6/2042	9/6/2042	89
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	5/6/2042	9/6/2042	89
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	5/6/2042	9/6/2042	89
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	5/6/2042	9/6/2042	89
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	5/6/2042	9/6/2042	89
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	5/6/2042	9/6/2042	89
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	8/6/2042	10/29/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	8/6/2042	10/29/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/29/2042	6/29/2043	174
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/29/2042	6/29/2043	174
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/29/2042	6/29/2043	174
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/29/2042	6/29/2043	174
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/29/2042	6/29/2043	174
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/27/2044	2/19/2046	300
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/27/2044	2/19/2046	300
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/27/2044	2/19/2046	300
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/20/2046	2/18/2047	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	8/6/2046	10/29/2046	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	8/6/2046	10/29/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171

Task Name	Duration (months)	Start	Finish
Crenshaw/Adams Station and Crossover	70	7/30/2041	4/15/2047
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042
Shoring and excavation	14	5/6/2042	6/29/2043
Cast-in-place connection structure	14	12/27/2044	2/19/2046
MEP and Architectural finish work	12	2/20/2046	2/18/2047
Backfill, exterior entry, and surface restoration	14	2/20/2046	4/15/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/30/2041	1/30/2042	133
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	7/30/2041	1/30/2042	133
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	7/30/2041	1/30/2042	133
Truck Loading on site - idling	Number of Vehicles	4	12	7/30/2041	1/30/2042	133
Trucks Traveling on site	Number of Vehicles	4	Paved	7/30/2041	1/30/2042	133
Deliveries on site - idling	Number of Vehicles	0		7/30/2041	1/30/2042	133
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	7/30/2041	1/30/2042	133
Cement Trucks - idling	Number of Vehicles	0		7/30/2041	1/30/2042	133
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/30/2041	1/30/2042	133
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/15/2042	9/22/2042	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/15/2042	9/22/2042	179
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/15/2042	9/22/2042	179
Truck Loading on site - idling	Number of Vehicles	0	12	1/15/2042	9/22/2042	179
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/15/2042	9/22/2042	179
Deliveries on site - idling	Number of Vehicles	4		1/15/2042	9/22/2042	179
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/15/2042	9/22/2042	179
Cement Trucks - idling	Number of Vehicles	0		1/15/2042	9/22/2042	179
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/15/2042	9/22/2042	179
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/6/2042	9/6/2042	89
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/6/2042	9/6/2042	89
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	5/6/2042	9/6/2042	89
Truck Loading on site - idling	Number of Vehicles	5	12	5/6/2042	9/6/2042	89
Trucks Traveling on site	Number of Vehicles	5	Unpaved	5/6/2042	9/6/2042	89
Deliveries on site - idling	Number of Vehicles	1		5/6/2042	9/6/2042	89
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	5/6/2042	9/6/2042	89
Cement Trucks - idling	Number of Vehicles	7		5/6/2042	9/6/2042	89
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	5/6/2042	9/6/2042	89
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/6/2042	10/29/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/6/2042	10/29/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/6/2042	10/29/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	8/6/2042	10/29/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/6/2042	10/29/2042	36
Deliveries on site - idling	Number of Vehicles	13		8/6/2042	10/29/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/6/2042	10/29/2042	36
Cement Trucks - idling	Number of Vehicles	0		8/6/2042	10/29/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2042	10/29/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/29/2042	6/29/2043	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/29/2042	6/29/2043	174
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt	10/29/2042	6/29/2043	174
Truck Loading on site - idling	Number of Vehicles	96	20	10/29/2042	6/29/2043	174
Trucks Traveling on site	Number of Vehicles	96	Paved	10/29/2042	6/29/2043	174
Deliveries on site - idling	Number of Vehicles	0		10/29/2042	6/29/2043	174
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/29/2042	6/29/2043	174
Cement Trucks - idling	Number of Vehicles	0		10/29/2042	6/29/2043	174
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/29/2042	6/29/2043	174

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	43	4

Volume (yd^3 3,227
x 1.3 4,195

4.1

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	935	65	5530525	331831.5	1907	95

Volume (yd^3 204,834
x 1.3 266,285

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	2/19/2046	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/27/2044	2/19/2046	300
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/27/2044	2/19/2046	300
Truck Loading on site - idling	Number of Vehicles	0	12	12/27/2044	2/19/2046	300
Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	2/19/2046	300
Deliveries on site - idling	Number of Vehicles	0		12/27/2044	2/19/2046	300
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/27/2044	2/19/2046	300
Cement Trucks - idling	Number of Vehicles	8		12/27/2044	2/19/2046	300
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/27/2044	2/19/2046	300
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/20/2046	2/18/2047	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/20/2046	2/18/2047	260
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/20/2046	2/18/2047	260
Truck Loading on site - idling	Number of Vehicles	0	12	2/20/2046	2/18/2047	260
Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	2/18/2047	260
Deliveries on site - idling	Number of Vehicles	10		2/20/2046	2/18/2047	260
Deliveries Traveling on site	Number of Vehicles	10	Paved	2/20/2046	2/18/2047	260
Cement Trucks - idling	Number of Vehicles	0		2/20/2046	2/18/2047	260
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	2/18/2047	260
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/20/2046	8/20/2046	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/20/2046	8/20/2046	130
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	2/20/2046	8/20/2046	130
Truck Loading on site - idling	Number of Vehicles	50	12	2/20/2046	8/20/2046	130
Trucks Traveling on site	Number of Vehicles	50	Paved	2/20/2046	8/20/2046	130
Deliveries on site - idling	Number of Vehicles	0		2/20/2046	8/20/2046	130
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/20/2046	8/20/2046	130
Cement Trucks - idling	Number of Vehicles	0		2/20/2046	8/20/2046	130
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	8/20/2046	130
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/6/2046	10/29/2046	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/6/2046	10/29/2046	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/6/2046	10/29/2046	36
Truck Loading on site - idling	Number of Vehicles	0	12	8/6/2046	10/29/2046	36
Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2046	10/29/2046	36
Deliveries on site - idling	Number of Vehicles	13		8/6/2046	10/29/2046	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	8/6/2046	10/29/2046	36
Cement Trucks - idling	Number of Vehicles	0		8/6/2046	10/29/2046	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2046	10/29/2046	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/20/2046	4/15/2047	171
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	8/20/2046	4/15/2047	171
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/20/2046	4/15/2047	171
Truck Loading on site - idling	Number of Vehicles	0	12	8/20/2046	4/15/2047	171
Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2046	4/15/2047	171
Deliveries on site - idling	Number of Vehicles	3		8/20/2046	4/15/2047	171
Deliveries Traveling on site	Number of Vehicles	3	Paved	8/20/2046	4/15/2047	171
Cement Trucks - idling	Number of Vehicles	0		8/20/2046	4/15/2047	171
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2046	4/15/2047	171

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	935	15	1276275	76576.5	589	49

Volume (yd^3 47,269
x 1.3 61,450

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
Crenshaw/Expo Station - Connection Box	42	5/6/2042	10/2/2045
Demolition, utility relocation, and site preparation	10	5/6/2042	2/23/2043
Shoring and excavation	10	12/2/2042	9/21/2043
Cast-in-place connection structure	10	3/8/2044	12/26/2044
MEP and Architectural finish work	7	12/27/2044	8/7/2045
Backfill, exterior entry, and surface restoration	7	3/21/2045	10/2/2045

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	5/6/2042	9/3/2042	87
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	5/6/2042	9/3/2042	87
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	5/6/2042	9/3/2042	87
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/3/2042	2/23/2043	124
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	9/3/2042	2/23/2043	124
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/2/2042	2/2/2043	45
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/2/2042	2/2/2043	45
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	12/2/2042	2/2/2043	45
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	12/2/2042	2/2/2043	45
Decking - 3 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/2/2043	2/25/2043	9
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/2/2043	2/25/2043	9

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/25/2043	9/21/2043	149
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/25/2043	9/21/2043	149
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/25/2043	9/21/2043	149
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/25/2043	9/21/2043	149
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/25/2043	9/21/2043	149
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	3/8/2044	5/2/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	3/8/2044	5/2/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/8/2044	5/2/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	3/8/2044	5/2/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	3/8/2044	5/2/2044	40
Cast-in-place connection structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/8/2044	12/26/2044	210
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/8/2044	12/26/2044	210
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/8/2044	12/26/2044	210
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/27/2044	8/7/2045	160
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Decking removal - 3 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	5/22/2045	6/12/2045	9
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	5/22/2045	6/12/2045	9
Surface restoration											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Roller-250	Fleet Average	210	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
Crenshaw/Expo Station - Connection Box	42	5/6/2042	10/2/2045
Demolition, utility relocation, and site preparation	10	5/6/2042	2/23/2043
Shoring and excavation	10	12/2/2042	9/21/2043
Cast-in-place connection structure	10	3/8/2044	12/26/2044
MEP and Architectural finish work	7	12/27/2044	8/7/2045
Backfill, exterior entry, and surface restoration	7	3/21/2045	10/2/2045

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)	
Demolition							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/6/2042	9/3/2042	87	
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	5/6/2042	9/3/2042	87	
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	5/6/2042	9/3/2042	87	
Truck Loading on site - idling	Number of Vehicles	2	12	5/6/2042	9/3/2042	87	
Trucks Traveling on site	Number of Vehicles	2	Paved	5/6/2042	9/3/2042	87	
Deliveries on site - idling	Number of Vehicles	0		5/6/2042	9/3/2042	87	
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	5/6/2042	9/3/2042	87	
Cement Trucks - idling	Number of Vehicles	0		5/6/2042	9/3/2042	87	
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/6/2042	9/3/2042	87	
Utility Relocation & Site Praparaton							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/3/2042	2/23/2043	124	
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	9/3/2042	2/23/2043	124	
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/3/2042	2/23/2043	124	
Truck Loading on site - idling	Number of Vehicles	0	12	9/3/2042	2/23/2043	124	
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/3/2042	2/23/2043	124	
Deliveries on site - idling	Number of Vehicles	4		9/3/2042	2/23/2043	124	
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/3/2042	2/23/2043	124	
Cement Trucks - idling	Number of Vehicles	0		9/3/2042	2/23/2043	124	
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/3/2042	2/23/2043	124	
Shoring							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/2/2042	2/2/2043	45	2.1
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	12/2/2042	2/2/2043	45	
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/2/2042	2/2/2043	45	
Truck Loading on site - idling	Number of Vehicles	5	12	12/2/2042	2/2/2043	45	
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/2/2042	2/2/2043	45	
Deliveries on site - idling	Number of Vehicles	1		12/2/2042	2/2/2043	45	
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/2/2042	2/2/2043	45	
Cement Trucks - idling	Number of Vehicles	7		12/2/2042	2/2/2043	45	
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/2/2042	2/2/2043	45	
Decking - 3 Weekends							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2043	2/25/2043	9	
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/2/2043	2/25/2043	9	
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/2/2043	2/25/2043	9	
Truck Loading on site - idling	Number of Vehicles	0	12	2/2/2043	2/25/2043	9	
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/2/2043	2/25/2043	9	
Deliveries on site - idling	Number of Vehicles	5		2/2/2043	2/25/2043	9	
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	2/2/2043	2/25/2043	9	
Cement Trucks - idling	Number of Vehicles	0		2/2/2043	2/25/2043	9	
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2043	2/25/2043	9	

Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/25/2043	9/21/2043	149
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/25/2043	9/21/2043	149
Truck Loading Dust	Tons of material being loaded per day	120	Dirt	2/25/2043	9/21/2043	149
Truck Loading on site - idling	Number of Vehicles	10	12	2/25/2043	9/21/2043	149
Trucks Traveling on site	Number of Vehicles	10	Paved	2/25/2043	9/21/2043	149
Deliveries on site - idling	Number of Vehicles	0		2/25/2043	9/21/2043	149
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/25/2043	9/21/2043	149
Cement Trucks - idling	Number of Vehicles	0		2/25/2043	9/21/2043	149
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/25/2043	9/21/2043	149
Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/8/2044	5/2/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/8/2044	5/2/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/8/2044	5/2/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	3/8/2044	5/2/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2044	5/2/2044	40
Deliveries on site - idling	Number of Vehicles	1		3/8/2044	5/2/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	3/8/2044	5/2/2044	40
Cement Trucks - idling	Number of Vehicles	0		3/8/2044	5/2/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2044	5/2/2044	40
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/8/2044	12/26/2044	210
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/8/2044	12/26/2044	210
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/8/2044	12/26/2044	210
Truck Loading on site - idling	Number of Vehicles	0	12	3/8/2044	12/26/2044	210
Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2044	12/26/2044	210
Deliveries on site - idling	Number of Vehicles	0		3/8/2044	12/26/2044	210
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/8/2044	12/26/2044	210
Cement Trucks - idling	Number of Vehicles	2		3/8/2044	12/26/2044	210
Cement Trucks Traveling on site	Number of Vehicles	2	Paved	3/8/2044	12/26/2044	210
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	8/7/2045	160
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/27/2044	8/7/2045	160
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/27/2044	8/7/2045	160
Truck Loading on site - idling	Number of Vehicles	0	12	12/27/2044	8/7/2045	160
Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	8/7/2045	160
Deliveries on site - idling	Number of Vehicles	2		12/27/2044	8/7/2045	160
Deliveries Traveling on site	Number of Vehicles	2	Paved	12/27/2044	8/7/2045	160
Cement Trucks - idling	Number of Vehicles	0		12/27/2044	8/7/2045	160
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	8/7/2045	160
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/21/2045	5/22/2045	45
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/21/2045	5/22/2045	45
Truck Loading Dust	Tons of material being loaded per day	204	Dirt	3/21/2045	5/22/2045	45
Truck Loading on site - idling	Number of Vehicles	17	12	3/21/2045	5/22/2045	45
Trucks Traveling on site	Number of Vehicles	17	Paved	3/21/2045	5/22/2045	45
Deliveries on site - idling	Number of Vehicles	0		3/21/2045	5/22/2045	45
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/21/2045	5/22/2045	45
Cement Trucks - idling	Number of Vehicles	0		3/21/2045	5/22/2045	45
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/21/2045	5/22/2045	45

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	60	67	281400	16884	113	9

Volume (yd^3: 10,422
x 1.3 13,549

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	60	35	147000	8820	196	16

Volume (yd^3: 5,444
x 1.3 7,078

K Line Northern Extension
Construction Data

Decking removal - 3 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/22/2045	6/12/2045	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/22/2045	6/12/2045	9
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/22/2045	6/12/2045	9
Truck Loading on site - idling	Number of Vehicles	0	12	5/22/2045	6/12/2045	9
Trucks Traveling on site	Number of Vehicles	0	Paved	5/22/2045	6/12/2045	9
Deliveries on site - idling	Number of Vehicles	7		5/22/2045	6/12/2045	9
Deliveries Traveling on site	Number of Vehicles	7	Paved	5/22/2045	6/12/2045	9
Cement Trucks - idling	Number of Vehicles	0		5/22/2045	6/12/2045	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/22/2045	6/12/2045	9
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/5/2045	10/2/2045	86
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	2	Dirt	6/5/2045	10/2/2045	86
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/5/2045	10/2/2045	86
Truck Loading on site - idling	Number of Vehicles	0	12	6/5/2045	10/2/2045	86
Trucks Traveling on site	Number of Vehicles	0	Paved	6/5/2045	10/2/2045	86
Deliveries on site - idling	Number of Vehicles	1		6/5/2045	10/2/2045	86
Deliveries Traveling on site	Number of Vehicles	1	Paved	6/5/2045	10/2/2045	86
Cement Trucks - idling	Number of Vehicles	0		6/5/2045	10/2/2045	86
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/5/2045	10/2/2045	86

Task Name	Duration	Start	Finish	Total Slack
Section 1: Expo to Fairfax/Wilshire (IOS)	528.2 wks	1/14/2041	2/27/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	28 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	14 wks
Guideway and Tunnel	446 wks	2/12/2041	8/30/2049	0 wks
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	28 wks
TBM Assembly	8 wks	2/24/2043	4/20/2043	0 wks
Tunnel Boring	119 wks	4/21/2043	7/31/2045	0 wks
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0 wks
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0 wks
TBM Reassembly	8 wks	5/3/2044	6/27/2044	45 wks
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	51 wks	6/28/2044	6/19/2045	45 wks
Bore tunnel tail tracks Fairfax/Wilshire (FW)	6 wks	6/20/2045	7/31/2045	45 wks
Crosspassage	123 wks	5/3/2044	9/10/2046	0 wks
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0 wks
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0 wks
Crosspassage excavations (MC to FW)	38 wks	8/1/2045	4/23/2046	45 wks
Crosspassage structural concrete lining (MC to FW)	38 wks	12/19/2045	9/10/2046	45 wks
Trackwork	220 wks	6/13/2045	8/30/2049	0 wks
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0 wks
Trackwork, track systems, and structural concrete (MC to FW)	110 wks	7/23/2047	8/30/2049	0 wks
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	89 wks
Connection Box	178 wks	5/6/2042	10/2/2045	89 wks
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	89 wks
Shoring and excavation	42 wks	12/2/2042	9/21/2043	89 wks
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	65 wks
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	238 wks
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	282 wks
Midtown Crossing Station and Crossover	420 wks	2/12/2041	3/1/2049	0 wks
Station	420 wks	2/12/2041	3/1/2049	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0 wks
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	28 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	60 wks
MEP and Architectural finish work	55 wks	12/17/2047	1/4/2049	60 wks
Backfill, exterior entry, and surface restoration	51 wks	3/10/2048	3/1/2049	104 wks
Crossover	408 wks	2/12/2041	12/7/2048	116 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	308 wks
Shoring and excavation	64 wks	11/19/2041	2/9/2043	308 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	116 wks
Backfill, exterior entry, and surface restoration	51 wks	12/17/2047	12/7/2048	116 wks
Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	85 wks
Station	298 wks	7/30/2041	4/15/2047	85 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	85 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	143 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	65 wks
MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	158 wks
Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	202 wks
Crossover	286 wks	7/30/2041	1/21/2047	214 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	292 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	292 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	214 wks
Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	214 wks

Task Name	Duration	Start	Finish	Date Difference	
Section 1: Expo to Fairfax/Wilshire (IOS)	528.2 wks	1/14/2041	2/27/2051		
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0	0
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0
Mobilization	4 wks	1/15/2041	2/11/2041	0	0
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	0	0
Guideway and Tunnel	446 wks	2/12/2041	8/30/2049	0	0
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0	0
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	0	0
TBM Assembly	8 wks	2/24/2043	4/20/2043	0	0
Tunnel Boring	119 wks	4/21/2043	7/31/2045	0	0
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0	0
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0	0
TBM Reassembly	8 wks	5/3/2044	6/27/2044	0	0
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	51 wks	6/28/2044	6/19/2045	0	0
Bore tunnel tail tracks Fairfax/Wilshire (FW)	6 wks	6/20/2045	7/31/2045	0	0
Crosspassage	123 wks	5/3/2044	9/10/2046	0	0
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0	0
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0	0
Crosspassage excavations (MC to FW)	38 wks	8/1/2045	4/23/2046	0	0
Crosspassage structural concrete lining (MC to FW)	38 wks	12/19/2045	9/10/2046	0	0
Trackwork	220 wks	6/13/2045	8/30/2049	0	0
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0	0
Trackwork, track systems, and structural concrete (MC to FW)	110 wks	7/23/2047	8/30/2049	0	0
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	0	0
Connection Box	178 wks	5/6/2042	10/2/2045	0	0
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	0	0
Shoring and excavation	42 wks	12/2/2042	9/21/2043	0	0
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	0	0
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	0	0
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	0	0
Midtown Crossing Station and Crossover	420 wks	2/12/2041	3/1/2049	0	0
Station	420 wks	2/12/2041	3/1/2049	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0	0
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	0	0
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	0	0
MEP and Architectural finish work	55 wks	12/17/2047	1/4/2049	0	0
Backfill, exterior entry, and surface restoration	51 wks	3/10/2048	3/1/2049	0	0
Double Crossover	408 wks	2/12/2041	12/7/2048	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and excavation	64 wks	11/19/2041	2/9/2043	0	0
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	0	0
Backfill, exterior entry, and surface restoration	51 wks	12/17/2047	12/7/2048	0	0
Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	0	0
Station	298 wks	7/30/2041	4/15/2047	0	0
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	0	0
Shoring and excavation	60 wks	5/6/2042	6/29/2043	0	0
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	0	0
MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	0	0
Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	0	0
Double Crossover	286 wks	7/30/2041	1/21/2047	0	0
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	0	0
Shoring and excavation	60 wks	5/6/2042	6/29/2043	0	0
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	0	0
Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	0	0

Fairfax/Wilshire Station and Crossover	295 wks	9/23/2042	5/18/2048	85 wks
Station	295 wks	9/23/2042	5/18/2048	85 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	85 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	85 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	60 wks
MEP and Architectural finish work	64 wks	1/1/2047	3/23/2048	101 wks
Backfill, exterior entry, and surface restoration	60 wks	3/26/2047	5/18/2048	145 wks
Crossover	283 wks	9/23/2042	2/24/2048	157 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	182 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	182 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	157 wks
Backfill, exterior entry, and surface restoration	60 wks	1/1/2047	2/24/2048	157 wks
Maintenance and Storage Facility Expansion (Div 16)	52 wks	2/12/2041	2/10/2042	368 wks
Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	2/12/2041	8/12/2041	368 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	368 wks
Alignment Start-up	104 wks	3/2/2049	2/27/2051	0 wks
Systems testing and commissioning	104 wks	3/2/2049	2/27/2051	0 wks
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Section 1: Expo to Fairfax/Wilshire (IOS) Late	606.2 wks	1/14/2041	8/26/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2640 days
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Unallocated Contingency	78 wks	2/28/2051	8/26/2052	0 wks
Milestone: Late Revenue Service Date - Section 1	0 wks	8/26/2052	8/26/2052	0 wks
Section 2: Fairfax/Wilshire to Hollywood/Highland	460.2 wks	1/14/2041	11/8/2049	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	17 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	13 wks
Guideway and Tunnel	370 wks	4/9/2041	5/11/2048	0 wks
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0 wks
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	17 wks
TBM Assembly	8 wks	2/17/2043	4/13/2043	0 wks
Tunnel Boring	105 wks	4/14/2043	4/17/2045	0 wks
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0 wks
Bore tunnel tail tracks Hollywood/Highland	6 wks	10/27/2043	12/7/2043	0 wks
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0 wks
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0 wks
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	55 wks	3/29/2044	4/17/2045	0 wks
Crosspassage	113 wks	2/2/2044	4/2/2046	0 wks
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	31 wks
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	31 wks
Crosspassage excavations (LBSM to FW)	30 wks	4/18/2045	11/13/2045	0 wks
Crosspassage structural concrete lining (LBSM to FW)	30 wks	9/5/2045	4/2/2046	0 wks
Trackwork	193 wks	8/30/2044	5/11/2048	0 wks
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	31 wks
Trackwork, track systems, and structural concrete (LBSM to FW)	110 wks	4/3/2046	5/11/2048	0 wks
La Brea/Santa Monica Station	373 wks	4/9/2041	6/1/2048	0 wks
Station	373 wks	4/9/2041	6/1/2048	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and excavation	71 wks	12/3/2041	4/13/2043	95 wks
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	41 wks
Cast-in-place station box structure	52 wks	5/8/2046	5/6/2047	31 wks
MEP and Architectural finish work	48 wks	5/7/2047	4/6/2048	31 wks
Backfill, exterior entry, and surface restoration	44 wks	7/30/2047	6/1/2048	75 wks

Fairfax/Wilshire Station and Crossover	295 wks	9/23/2042	5/18/2048	0	0
Station	295 wks	9/23/2042	5/18/2048	0	0
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	0	0
Shoring and excavation	74 wks	9/8/2043	2/6/2045	0	0
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	0	0
MEP and Architectural finish work	64 wks	1/1/2047	3/23/2048	0	0
Backfill, exterior entry, and surface restoration	60 wks	3/26/2047	5/18/2048	0	0
Double Crossover	283 wks	9/23/2042	2/24/2048	0	0
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	0	0
Shoring and excavation	74 wks	9/8/2043	2/6/2045	0	0
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	0	0
Backfill, exterior entry, and surface restoration	60 wks	1/1/2047	2/24/2048	0	0
Maintenance and Storage Facility Expansion (Div 16)	52 wks	3/3/2048	3/1/2049	-2576	-2576
Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	3/3/2048	8/31/2048	-2576	-2576
Trackwork and systems	26 wks	9/1/2048	3/1/2049	-2576	-2576
Alignment Start-up	104 wks	3/2/2049	2/27/2051	0	0
Systems testing and commissioning	104 wks	3/2/2049	2/27/2051	0	0
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0	0

Hollywood/Highland Monica Station and Crossover	309 wks	2/12/2041	1/14/2047	0 wks
Station	309 wks	2/12/2041	1/14/2047	0 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0 wks
Shoring and excavation	82 wks	3/4/2042	9/28/2043	41 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	31 wks
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	103 wks
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	147 wks
Crossover	297 wks	2/12/2041	10/22/2046	159 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	174 wks
Shoring and excavation	82 wks	1/28/2042	8/24/2043	174 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	159 wks
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	159 wks
Fairfax/Santa Monica Station and Crossover	272 wks	7/15/2042	9/30/2047	72 wks
Station	272 wks	7/15/2042	9/30/2047	72 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	72 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	72 wks
Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	31 wks
MEP and Architectural finish work	55 wks	7/17/2046	8/5/2047	66 wks
Backfill, exterior entry, and surface restoration	51 wks	10/9/2046	9/30/2047	110 wks
Crossover	260 wks	7/15/2042	7/8/2047	122 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	163 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	163 wks
Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	122 wks
Backfill, exterior entry, and surface restoration	51 wks	7/17/2046	7/8/2047	122 wks
Fairfax/3rd/Beverly Station and Crossover	306 wks	11/4/2042	9/14/2048	60 wks
Station	306 wks	11/4/2042	9/14/2048	60 wks
Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	90 wks
Shoring and excavation	64 wks	8/11/2043	10/31/2044	90 wks
Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	16 wks
MEP and Architectural finish work	56 wks	6/25/2047	7/20/2048	16 wks
Backfill, exterior entry, and surface restoration	52 wks	9/17/2047	9/14/2048	60 wks
Crossover	294 wks	11/4/2042	6/22/2048	72 wks
Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	146 wks
Shoring and excavation	64 wks	8/11/2043	10/31/2044	146 wks
Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	72 wks
Backfill, exterior entry, and surface restoration	52 wks	6/25/2047	6/22/2048	72 wks
New Maintenance and Storage Facility	208 wks	2/12/2041	2/6/2045	144 wks
Demolition, grading, and site preparation	52 wks	2/12/2041	2/10/2042	144 wks
Facility structures, trackwork, and systems	156 wks	2/11/2042	2/6/2045	144 wks
Alignment Start-up	104 wks	11/12/2047	11/8/2049	0 wks
Systems testing and commissioning	104 wks	11/12/2047	11/8/2049	0 wks
Milestone: Early Revenue Service Date - Section 2	0 wks	11/8/2049	11/8/2049	0 wks
Section 2: Fairfax/Wilshire to Hollywood/Highland Late	538.2 wks	1/14/2041	5/8/2051	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2300 days
Milestone: Early Revenue Service Date - Section 2	0 wks	11/8/2049	11/8/2049	0 wks
Unallocated Contingency	78 wks	11/9/2049	5/8/2051	0 wks
Milestone: Late Revenue Service Date - Section 2	0 wks	5/8/2051	5/8/2051	0 wks

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	3/21/2045	3/15/2049
Demolition, grading, and site preparation	12	3/21/2045	3/19/2046
Facility structures, trackwork, and systems	36	3/20/2046	3/15/2049

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility											
Crane-500	Tier 4	275	Diesel	2	0.5	8	4	8	3/21/2045	3/19/2046	260
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	3/21/2045	3/19/2046	260
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.5	8	4	8	3/21/2045	3/19/2046	260
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	3/21/2045	3/19/2046	260
Bobcat-175	Fleet Average	125	Diesel	2	0.25	8	2	4	3/21/2045	3/19/2046	260
Trackwork and systems	47	6/13/2045	4/12/2049								
Crane-500	Tier 4	285	Diesel	2	0.10	8	1	2	3/20/2046	3/15/2049	780
Excavator-120	Fleet Average	54	Diesel	3	0.5	8	4	12	3/20/2046	3/15/2049	780
Telehandler-175	Tier 4	142	Diesel	3	0.25	8	2	6	3/20/2046	3/15/2049	780
Other Construction Equipment-50	Fleet Average	50	Electric	3	1.00	8	8	24	3/20/2046	3/15/2049	780
Welding Plant - 500	Tier 4	380	Diesel	3	0.70	8	6	17	3/20/2046	3/15/2049	780

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	3/21/2045	3/15/2049
Demolition, grading, and site preparation	12	3/21/2045	3/19/2046
Facility structures, trackwork, and systems	36	3/20/2046	3/15/2049

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/21/2045	3/19/2046	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate	3/21/2045	3/19/2046	260
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate	3/21/2045	3/19/2046	260
Truck Loading on site - idling	Number of Vehicles	46	12	3/21/2045	3/19/2046	260
Trucks Traveling on site	Number of Vehicles	46	Paved	3/21/2045	3/19/2046	260
Deliveries on site - idling	Number of Vehicles	0		3/21/2045	3/19/2046	260
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/21/2045	3/19/2046	260
Cement Trucks - idling	Number of Vehicles	0		3/21/2045	3/19/2046	260
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/21/2045	3/19/2046	260
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/20/2046	3/15/2049	780
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	3/20/2046	3/15/2049	780
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	3/20/2046	3/15/2049	780
Truck Loading on site - idling	Number of Vehicles	2	12	3/20/2046	3/15/2049	780
Trucks Traveling on site	Number of Vehicles	2	Paved	3/20/2046	3/15/2049	780
Deliveries on site - idling	Number of Vehicles	7		3/20/2046	3/15/2049	780
Deliveries Traveling on site	Number of Vehicles	7	Paved	3/20/2046	3/15/2049	780
Cement Trucks - idling	Number of Vehicles	0		3/20/2046	3/15/2049	780
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/20/2046	3/15/2049	780

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
25	1089000	2	2178000	141570	545	45
		Volume (yd^3)	80,667			
		x 1.3	104,867			

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	84	3/25/2042	2/1/2049	1790
Demolition, utility relocation, and site preparation	15	3/25/2042	6/15/2043	320
Shoring and excavation	15	12/30/2042	3/21/2044	320
Cast-in-place station box structure	15	8/21/2046	11/11/2047	320
MEP and Architectural finish work	13	11/12/2047	12/7/2048	280
Backfill, exterior entry, and surface restoration	15	11/12/2047	2/1/2049	320

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	3/25/2042	9/26/2042	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	3/25/2042	9/26/2042	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	3/25/2042	9/26/2042	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/12/2042	6/15/2043	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	9/12/2042	6/15/2043	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	9/12/2042	6/15/2043	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/12/2042	6/15/2043	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	9/12/2042	6/15/2043	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/30/2042	4/29/2043	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	12/30/2042	4/29/2043	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/30/2042	4/29/2043	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	12/30/2042	4/29/2043	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	12/30/2042	4/29/2043	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	12/30/2042	4/29/2043	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/30/2042	4/29/2043	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/30/2042	4/29/2043	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/30/2042	4/29/2043	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/30/2043	6/22/2043	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	3/30/2043	6/22/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	3/30/2043	6/22/2043	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/30/2043	6/22/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	3/30/2043	6/22/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/22/2043	3/21/2044	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	6/22/2043	3/21/2044	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	6/22/2043	3/21/2044	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	6/22/2043	3/21/2044	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	6/22/2043	3/21/2044	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	6/22/2043	3/21/2044	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	6/22/2043	3/21/2044	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	6/22/2043	3/21/2044	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	6/22/2043	3/21/2044	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	8/21/2046	11/11/2047	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/21/2046	11/11/2047	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	8/21/2046	11/11/2047	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/21/2046	11/11/2047	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	8/21/2046	11/11/2047	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/21/2046	11/11/2047	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	11/12/2047	12/7/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/12/2047	12/7/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/12/2047	12/7/2048	280
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	11/12/2047	12/7/2048	280
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	11/12/2047	5/20/2048	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	11/12/2047	5/20/2048	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	11/12/2047	5/20/2048	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	11/12/2047	5/20/2048	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/6/2048	7/29/2048	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/6/2048	7/29/2048	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	5/6/2048	7/29/2048	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	5/6/2048	7/29/2048	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	5/6/2048	7/29/2048	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	5/20/2048	2/1/2049	184
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	5/20/2048	2/1/2049	184
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	5/20/2048	2/1/2049	184
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	5/20/2048	2/1/2049	184

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	84	3/25/2042	2/1/2049	1790
Demolition, utility relocation, and site preparation	15	3/25/2042	6/15/2043	320
Shoring and excavation	15	12/30/2042	3/21/2044	320
Cast-in-place station box structure	15	8/21/2046	11/11/2047	320
MEP and Architectural finish work	13	11/12/2047	12/7/2048	280
Backfill, exterior entry, and surface restoration	15	11/12/2047	2/1/2049	320

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/25/2042	9/26/2042	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	3/25/2042	9/26/2042	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	3/25/2042	9/26/2042	134
Truck Loading on site - idling	Number of Vehicles	4	12	3/25/2042	9/26/2042	134
Trucks Traveling on site	Number of Vehicles	4	Paved	3/25/2042	9/26/2042	134
Deliveries on site - idling	Number of Vehicles	0		3/25/2042	9/26/2042	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/25/2042	9/26/2042	134
Cement Trucks - idling	Number of Vehicles	0		3/25/2042	9/26/2042	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/25/2042	9/26/2042	134
Utility Relocation & Site Preparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/12/2042	6/15/2043	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/12/2042	6/15/2043	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/12/2042	6/15/2043	197
Truck Loading on site - idling	Number of Vehicles	0	12	9/12/2042	6/15/2043	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/12/2042	6/15/2043	197
Deliveries on site - idling	Number of Vehicles	4		9/12/2042	6/15/2043	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/12/2042	6/15/2043	197
Cement Trucks - idling	Number of Vehicles	0		9/12/2042	6/15/2043	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/12/2042	6/15/2043	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/30/2042	4/29/2043	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/30/2042	4/29/2043	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/30/2042	4/29/2043	87
Truck Loading on site - idling	Number of Vehicles	5	12	12/30/2042	4/29/2043	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/30/2042	4/29/2043	87
Deliveries on site - idling	Number of Vehicles	1		12/30/2042	4/29/2043	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/30/2042	4/29/2043	87
Cement Trucks - idling	Number of Vehicles	7		12/30/2042	4/29/2043	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/30/2042	4/29/2043	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/30/2043	6/22/2043	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/30/2043	6/22/2043	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	3/30/2043	6/22/2043	36
Truck Loading on site - idling	Number of Vehicles	0	12	3/30/2043	6/22/2043	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/30/2043	6/22/2043	36
Deliveries on site - idling	Number of Vehicles	13		3/30/2043	6/22/2043	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	3/30/2043	6/22/2043	36
Cement Trucks - idling	Number of Vehicles	0		3/30/2043	6/22/2043	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/30/2043	6/22/2043	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/22/2043	3/21/2044	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	6/22/2043	3/21/2044	196
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt	6/22/2043	3/21/2044	196
Truck Loading on site - idling	Number of Vehicles	91	20	6/22/2043	3/21/2044	196
Trucks Traveling on site	Number of Vehicles	91	Paved	6/22/2043	3/21/2044	196
Deliveries on site - idling	Number of Vehicles	0		6/22/2043	3/21/2044	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/22/2043	3/21/2044	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Volume (yd^3 3,227
x 1.3 4,195

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	70	5892250	353535	1804	90

Volume (yd^3 218,231
x 1.3 283,701

Cement Trucks - idling	Number of Vehicles	0		6/22/2043	3/21/2044	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/22/2043	3/21/2044	196
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/21/2046	11/11/2047	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/21/2046	11/11/2047	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/21/2046	11/11/2047	320
Truck Loading on site - idling	Number of Vehicles	0	12	8/21/2046	11/11/2047	320
Trucks Traveling on site	Number of Vehicles	0	Paved	8/21/2046	11/11/2047	320
Deliveries on site - idling	Number of Vehicles	0		8/21/2046	11/11/2047	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/21/2046	11/11/2047	320
Cement Trucks - idling	Number of Vehicles	8		8/21/2046	11/11/2047	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	8/21/2046	11/11/2047	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/12/2047	12/7/2048	280
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/12/2047	12/7/2048	280
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/12/2047	12/7/2048	280
Truck Loading on site - idling	Number of Vehicles	0	12	11/12/2047	12/7/2048	280
Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	12/7/2048	280
Deliveries on site - idling	Number of Vehicles	10		11/12/2047	12/7/2048	280
Deliveries Traveling on site	Number of Vehicles	10	Paved	11/12/2047	12/7/2048	280
Cement Trucks - idling	Number of Vehicles	0		11/12/2047	12/7/2048	280
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	12/7/2048	280
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/12/2047	5/20/2048	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/12/2047	5/20/2048	137
Truck Loading Dust	Tons of material being loaded per day	564	Dirt	11/12/2047	5/20/2048	137
Truck Loading on site - idling	Number of Vehicles	47	12	11/12/2047	5/20/2048	137
Trucks Traveling on site	Number of Vehicles	47	Paved	11/12/2047	5/20/2048	137
Deliveries on site - idling	Number of Vehicles	0		11/12/2047	5/20/2048	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/12/2047	5/20/2048	137
Cement Trucks - idling	Number of Vehicles	0		11/12/2047	5/20/2048	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	5/20/2048	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/6/2048	7/29/2048	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/6/2048	7/29/2048	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/6/2048	7/29/2048	36
Truck Loading on site - idling	Number of Vehicles	0	12	5/6/2048	7/29/2048	36
Trucks Traveling on site	Number of Vehicles	0	Paved	5/6/2048	7/29/2048	36
Deliveries on site - idling	Number of Vehicles	13		5/6/2048	7/29/2048	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	5/6/2048	7/29/2048	36
Cement Trucks - idling	Number of Vehicles	0		5/6/2048	7/29/2048	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/6/2048	7/29/2048	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/20/2048	2/1/2049	184
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	5/20/2048	2/1/2049	184
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/20/2048	2/1/2049	184
Truck Loading on site - idling	Number of Vehicles	0	12	5/20/2048	2/1/2049	184
Trucks Traveling on site	Number of Vehicles	0	Paved	5/20/2048	2/1/2049	184
Deliveries on site - idling	Number of Vehicles	3		5/20/2048	2/1/2049	184
Deliveries Traveling on site	Number of Vehicles	3	Paved	5/20/2048	2/1/2049	184
Cement Trucks - idling	Number of Vehicles	0		5/20/2048	2/1/2049	184
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/20/2048	2/1/2049	184

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	15	1262625	75757.5	553	46

Volume (yd^3 46,764
x 1.3 60,793

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
La Cienega/Beverly Station and Crossover	83	6/18/2041	3/30/2048	1770
Demolition, utility relocation, and site preparation	14	6/18/2041	8/11/2042	300
Shoring and excavation	14	3/25/2042	5/18/2043	300
Cast-in-place station box structure	14	12/12/2045	2/4/2047	300
MEP and Architectural finish work	12	2/5/2047	2/3/2048	260
Backfill, exterior entry, and surface restoration	14	2/5/2047	3/30/2048	300

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	6/18/2041	12/19/2041	133
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	6/18/2041	12/19/2041	133
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	6/18/2041	12/19/2041	133
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	12/4/2041	8/11/2042	179
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	12/4/2041	8/11/2042	179
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	12/4/2041	8/11/2042	179
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/4/2041	8/11/2042	179
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	12/4/2041	8/11/2042	179
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	3/25/2042	7/25/2042	89
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	3/25/2042	7/25/2042	89
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	3/25/2042	7/25/2042	89
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	3/25/2042	7/25/2042	89
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	3/25/2042	7/25/2042	89
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	3/25/2042	7/25/2042	89
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	3/25/2042	7/25/2042	89
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	3/25/2042	7/25/2042	89
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	3/25/2042	7/25/2042	89
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	6/25/2042	9/17/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	6/25/2042	9/17/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	6/25/2042	9/17/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	6/25/2042	9/17/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	6/25/2042	9/17/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	9/17/2042	5/18/2043	174
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	9/17/2042	5/18/2043	174
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	9/17/2042	5/18/2043	174
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	9/17/2042	5/18/2043	174
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	9/17/2042	5/18/2043	174
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	9/17/2042	5/18/2043	174
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	9/17/2042	5/18/2043	174
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/17/2042	5/18/2043	174
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	9/17/2042	5/18/2043	174
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/12/2045	2/4/2047	300
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/12/2045	2/4/2047	300
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/12/2045	2/4/2047	300
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/12/2045	2/4/2047	300
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/12/2045	2/4/2047	300
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/12/2045	2/4/2047	300
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/5/2047	2/3/2048	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/5/2047	2/3/2048	260
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	2/5/2047	2/3/2048	260
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	2/5/2047	8/5/2047	130
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/5/2047	8/5/2047	130
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	2/5/2047	8/5/2047	130
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/5/2047	8/5/2047	130
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/22/2047	10/14/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/22/2047	10/14/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	7/22/2047	10/14/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	7/22/2047	10/14/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	7/22/2047	10/14/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	8/5/2047	3/30/2048	171
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	8/5/2047	3/30/2048	171
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	8/5/2047	3/30/2048	171
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	8/5/2047	3/30/2048	171

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
La Cienega/Beverly Station and Crossover	83	6/18/2041	3/30/2048	1770
Demolition, utility relocation, and site preparation	14	6/18/2041	8/11/2042	300
Shoring and excavation	14	3/25/2042	5/18/2043	300
Cast-in-place station box structure	14	12/12/2045	2/4/2047	300
MEP and Architectural finish work	12	2/5/2047	2/3/2048	260
Backfill, exterior entry, and surface restoration	14	2/5/2047	3/30/2048	300

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/18/2041	12/19/2041	133
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	6/18/2041	12/19/2041	133
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	6/18/2041	12/19/2041	133
Truck Loading on site - idling	Number of Vehicles	4	12	6/18/2041	12/19/2041	133
Trucks Traveling on site	Number of Vehicles	4	Paved	6/18/2041	12/19/2041	133
Deliveries on site - idling	Number of Vehicles	0		6/18/2041	12/19/2041	133
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	6/18/2041	12/19/2041	133
Cement Trucks - idling	Number of Vehicles	0		6/18/2041	12/19/2041	133
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/18/2041	12/19/2041	133
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/4/2041	8/11/2042	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/4/2041	8/11/2042	179
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	12/4/2041	8/11/2042	179
Truck Loading on site - idling	Number of Vehicles	0	12	12/4/2041	8/11/2042	179
Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/4/2041	8/11/2042	179
Deliveries on site - idling	Number of Vehicles	4		12/4/2041	8/11/2042	179
Deliveries Traveling on site	Number of Vehicles	4	Paved	12/4/2041	8/11/2042	179
Cement Trucks - idling	Number of Vehicles	0		12/4/2041	8/11/2042	179
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/4/2041	8/11/2042	179
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/25/2042	7/25/2042	89
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/25/2042	7/25/2042	89
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	3/25/2042	7/25/2042	89
Truck Loading on site - idling	Number of Vehicles	5	12	3/25/2042	7/25/2042	89
Trucks Traveling on site	Number of Vehicles	5	Unpaved	3/25/2042	7/25/2042	89
Deliveries on site - idling	Number of Vehicles	1		3/25/2042	7/25/2042	89
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	3/25/2042	7/25/2042	89
Cement Trucks - idling	Number of Vehicles	7		3/25/2042	7/25/2042	89
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	3/25/2042	7/25/2042	89
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/25/2042	9/17/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/25/2042	9/17/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/25/2042	9/17/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	6/25/2042	9/17/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/25/2042	9/17/2042	36
Deliveries on site - idling	Number of Vehicles	13		6/25/2042	9/17/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	6/25/2042	9/17/2042	36
Cement Trucks - idling	Number of Vehicles	0		6/25/2042	9/17/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/25/2042	9/17/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/17/2042	5/18/2043	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	9/17/2042	5/18/2043	174
Truck Loading Dust	Tons of material being loaded per day	1,940	Dirt	9/17/2042	5/18/2043	174
Truck Loading on site - idling	Number of Vehicles	97	20	9/17/2042	5/18/2043	174
Trucks Traveling on site	Number of Vehicles	97	Paved	9/17/2042	5/18/2043	174
Deliveries on site - idling	Number of Vehicles	0		9/17/2042	5/18/2043	174
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/17/2042	5/18/2043	174
Cement Trucks - idling	Number of Vehicles	0		9/17/2042	5/18/2043	174
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2042	5/18/2043	174

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	43	4
		Volume (yd^3	3,227			
		x 1.3	4,195			

Excavation Quantity						
Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	945	65	5589675	335380.5	1927	96
Begin	27330					
End	28275					
		Volume (yd^3	207,025			
		x 1.3	269,133			

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/12/2045	2/4/2047	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/12/2045	2/4/2047	300
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/12/2045	2/4/2047	300
Truck Loading on site - idling	Number of Vehicles	0	12	12/12/2045	2/4/2047	300
Trucks Traveling on site	Number of Vehicles	0	Paved	12/12/2045	2/4/2047	300
Deliveries on site - idling	Number of Vehicles	0		12/12/2045	2/4/2047	300
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/12/2045	2/4/2047	300
Cement Trucks - idling	Number of Vehicles	8		12/12/2045	2/4/2047	300
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/12/2045	2/4/2047	300
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	2/3/2048	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading on site - idling	Number of Vehicles	0	12	2/5/2047	2/3/2048	260
Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Deliveries on site - idling	Number of Vehicles	10		2/5/2047	2/3/2048	260
Deliveries Traveling on site	Number of Vehicles	10	Paved	2/5/2047	2/3/2048	260
Cement Trucks - idling	Number of Vehicles	0		2/5/2047	2/3/2048	260
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	8/5/2047	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/5/2047	8/5/2047	130
Truck Loading Dust	Tons of material being loaded per day	684	Dirt	2/5/2047	8/5/2047	130
Truck Loading on site - idling	Number of Vehicles	57	12	2/5/2047	8/5/2047	130
Trucks Traveling on site	Number of Vehicles	57	Paved	2/5/2047	8/5/2047	130
Deliveries on site - idling	Number of Vehicles	0		2/5/2047	8/5/2047	130
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/5/2047	8/5/2047	130
Cement Trucks - idling	Number of Vehicles	0		2/5/2047	8/5/2047	130
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2047	8/5/2047	130
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/22/2047	10/14/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/22/2047	10/14/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/22/2047	10/14/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	7/22/2047	10/14/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	7/22/2047	10/14/2047	36
Deliveries on site - idling	Number of Vehicles	13		7/22/2047	10/14/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	7/22/2047	10/14/2047	36
Cement Trucks - idling	Number of Vehicles	0		7/22/2047	10/14/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/22/2047	10/14/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/5/2047	3/30/2048	171
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	8/5/2047	3/30/2048	171
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/5/2047	3/30/2048	171
Truck Loading on site - idling	Number of Vehicles	0	12	8/5/2047	3/30/2048	171
Trucks Traveling on site	Number of Vehicles	0	Paved	8/5/2047	3/30/2048	171
Deliveries on site - idling	Number of Vehicles	3		8/5/2047	3/30/2048	171
Deliveries Traveling on site	Number of Vehicles	3	Paved	8/5/2047	3/30/2048	171
Cement Trucks - idling	Number of Vehicles	0		8/5/2047	3/30/2048	171
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/5/2047	3/30/2048	171

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	945	17	1461915	87714.9	675	56

Volume (yd^3	54,145
x 1.3	70,389

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - San Vicente / Santa Monica	25	2/12/2041	3/9/2043	
Mobilize - Tunneling	1	7/15/2042	8/11/2042	20
TBM Assembly	2	1/13/2043	3/9/2043	40
Tunnel Boring	17	3/10/2043	8/8/2044	370
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)	17	3/10/2043	8/8/2044	370
Crosspassage	16	8/9/2044	12/11/2045	350
Crosspassage excavations (SVSM to FW)	10	8/9/2044	6/19/2045	225
Crosspassage structural concrete lining (SVSM to FW)	10	1/31/2045	12/11/2045	225
Trackwork	46	12/12/2045	9/13/2049	980
Trackwork, track systems, and structural concrete (SVSM to FW)	46	12/12/2045	9/13/2049	980
San Vicente/Santa Monica Station and Crossover	105	2/12/2041	9/27/2049	2250
Demolition, utility relocation, and site preparation	14	2/12/2041	3/24/2042	290
Shoring and excavation	17	10/8/2041	3/9/2043	370
Place concrete slab for station box	2	1/31/2045	4/10/2045	50
Cast-in-place station box structure	13	7/30/2047	8/17/2048	275
MEP and Architectural finish work	12	8/18/2048	8/2/2049	250
Backfill, exterior entry, and surface restoration	14	8/18/2048	9/27/2049	290

assume that task "CIP station box structure starts two months before, originally 5/8/2046

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	7/22/2041	115
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	7/22/2041	115
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	7/22/2041	115
Utility Relocation & Site Preparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	7/7/2041	3/24/2042	186
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	7/7/2041	3/24/2042	186
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	7/7/2041	3/24/2042	186
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/7/2041	3/24/2042	186
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	7/7/2041	3/24/2042	186
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	10/8/2041	2/15/2042	94
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	10/8/2041	2/15/2042	94
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	10/8/2041	2/15/2042	94
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	10/8/2041	2/15/2042	94
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	10/8/2041	2/15/2042	94
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	10/8/2041	2/15/2042	94
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	10/8/2041	2/15/2042	94
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	10/8/2041	2/15/2042	94
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	10/8/2041	2/15/2042	94
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/16/2042	4/10/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/16/2042	4/10/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	1/16/2042	4/10/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	1/16/2042	4/10/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	1/16/2042	4/10/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/10/2042	3/9/2043	238
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	4/10/2042	3/9/2043	238
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	4/10/2042	3/9/2043	238
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	4/10/2042	3/9/2043	238
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	4/10/2042	3/9/2043	238
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	4/10/2042	3/9/2043	238
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	4/10/2042	3/9/2043	238
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	4/10/2042	3/9/2043	238
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	4/10/2042	3/9/2043	238
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/15/2042	8/11/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/13/2043	3/9/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	1/13/2043	3/9/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	1/13/2043	3/9/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	1/13/2043	3/9/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	1/13/2043	3/9/2043	40
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/10/2043	8/8/2044	370
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	3/10/2043	8/8/2044	370
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	3/10/2043	8/8/2044	370
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	3/10/2043	8/8/2044	370
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/10/2043	8/8/2044	370
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	3/10/2043	8/8/2044	370
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	3/10/2043	8/8/2044	370
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	3/10/2043	8/8/2044	370
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	3/10/2043	8/8/2044	370
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	3/10/2043	8/8/2044	370
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	3/10/2043	8/8/2044	370
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	3/10/2043	8/8/2044	370
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	3/10/2043	8/8/2044	370
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	3/10/2043	8/8/2044	370
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/10/2043	8/8/2044	370
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/10/2043	8/8/2044	370
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	8/9/2044	12/11/2045	350
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	8/9/2044	12/11/2045	350
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	8/9/2044	12/11/2045	350
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	8/9/2044	12/11/2045	350
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	8/9/2044	12/11/2045	350
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	8/9/2044	12/11/2045	350
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	8/9/2044	12/11/2045	350
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	8/9/2044	12/11/2045	350
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	8/9/2044	12/11/2045	350
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	8/9/2044	12/11/2045	350
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	8/9/2044	12/11/2045	350

Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	12/12/2045	9/13/2049	980
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	12/12/2045	9/13/2049	980
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	12/12/2045	9/13/2049	980
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	12/12/2045	9/13/2049	980
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	5/30/2047	8/17/2048	318
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	5/30/2047	8/17/2048	318
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	5/30/2047	8/17/2048	318
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	5/30/2047	8/17/2048	318
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	5/30/2047	8/17/2048	318
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/30/2047	8/17/2048	318
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/18/2048	8/2/2049	250
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/18/2048	8/2/2049	250
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/18/2048	8/2/2049	250
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/18/2048	8/2/2049	250
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	8/18/2048	3/6/2049	144
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/18/2048	3/6/2049	144
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	8/18/2048	3/6/2049	144
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	8/18/2048	3/6/2049	144
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/20/2049	5/15/2049	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/20/2049	5/15/2049	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	2/20/2049	5/15/2049	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	2/20/2049	5/15/2049	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	2/20/2049	5/15/2049	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	3/6/2049	9/27/2049	146
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	3/6/2049	9/27/2049	146
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	3/6/2049	9/27/2049	146
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	3/6/2049	9/27/2049	146

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Launch Site - San Vicente / Santa Monica	25	2/12/2041	3/9/2043		
Mobilize - Tunneling	1	7/15/2042	8/11/2042	20	
TBM Assembly	2	1/13/2043	3/9/2043	40	
Tunnel Boring	17	3/10/2043	8/8/2044	370	
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)	17	3/10/2043	8/8/2044	370	
Crosspassage	16	8/9/2044	12/11/2045	350	
Crosspassage excavations (SVSM to FW)	10	8/9/2044	6/19/2045	225	
Crosspassage structural concrete lining (SVSM to FW)	10	1/31/2045	12/11/2045	225	
Trackwork	46	12/12/2045	9/13/2049	980	
Trackwork, track systems, and structural concrete (SVSM to FW)	46	12/12/2045	9/13/2049	980	
San Vicente/Santa Monica Station and Crossover	105	2/12/2041	9/27/2049	2250	
Demolition, utility relocation, and site preparation	14	2/12/2041	3/24/2042	290	
Shoring and excavation	17	10/8/2041	3/9/2043	370	
Place concrete slab for station box	2	1/31/2045	4/10/2045	50	
Cast-in-place station box structure	13	7/30/2047	8/17/2048	275	# assume that task "CIP station box structure starts two months before, originally 5/8/2046
MEP and Architectural finish work	12	8/18/2048	8/2/2049	250	
Backfill, exterior entry, and surface restoration	14	8/18/2048	9/27/2049	290	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	7/22/2041	115
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	2/12/2041	7/22/2041	115
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	2/12/2041	7/22/2041	115
Truck Loading on site - idling	Number of Vehicles	13	12	2/12/2041	7/22/2041	115
Trucks Traveling on site	Number of Vehicles	13	Paved	2/12/2041	7/22/2041	115
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	7/22/2041	115
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	7/22/2041	115
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	7/22/2041	115
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	7/22/2041	115
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/7/2041	3/24/2042	186
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/7/2041	3/24/2042	186
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	7/7/2041	3/24/2042	186
Truck Loading on site - idling	Number of Vehicles	0	12	7/7/2041	3/24/2042	186
Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/7/2041	3/24/2042	186
Deliveries on site - idling	Number of Vehicles	4		7/7/2041	3/24/2042	186
Deliveries Traveling on site	Number of Vehicles	4	Paved	7/7/2041	3/24/2042	186
Cement Trucks - idling	Number of Vehicles	0		7/7/2041	3/24/2042	186
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/7/2041	3/24/2042	186
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/8/2041	2/15/2042	94
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	10/8/2041	2/15/2042	94
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	10/8/2041	2/15/2042	94
Truck Loading on site - idling	Number of Vehicles	5	12	10/8/2041	2/15/2042	94
Trucks Traveling on site	Number of Vehicles	5	Unpaved	10/8/2041	2/15/2042	94
Deliveries on site - idling	Number of Vehicles	1		10/8/2041	2/15/2042	94
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	10/8/2041	2/15/2042	94
Cement Trucks - idling	Number of Vehicles	7		10/8/2041	2/15/2042	94
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	10/8/2041	2/15/2042	94
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/16/2042	4/10/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/16/2042	4/10/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/16/2042	4/10/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	1/16/2042	4/10/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/16/2042	4/10/2042	36
Deliveries on site - idling	Number of Vehicles	13		1/16/2042	4/10/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1/16/2042	4/10/2042	36
Cement Trucks - idling	Number of Vehicles	0		1/16/2042	4/10/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/16/2042	4/10/2042	36

Excavation Quantity							
Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day	
3	130680	2	261360	16988.4	148	12	
		Volume (yd^3)	9,680				
		x 1.3	12,584				
4.3							

Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/10/2042	3/9/2043	238
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	4/10/2042	3/9/2043	238
Truck Loading Dust	Tons of material being loaded per day	1,420	Dirt	4/10/2042	3/9/2043	238
Truck Loading on site - idling	Number of Vehicles	71	20	4/10/2042	3/9/2043	238
Trucks Traveling on site	Number of Vehicles	71	Paved	4/10/2042	3/9/2043	238
Deliveries on site - idling	Number of Vehicles	0		4/10/2042	3/9/2043	238
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/10/2042	3/9/2043	238
Cement Trucks - idling	Number of Vehicles	0		4/10/2042	3/9/2043	238
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/10/2042	3/9/2043	238
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/15/2042	8/11/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/15/2042	8/11/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/15/2042	8/11/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	7/15/2042	8/11/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20
Deliveries on site - idling	Number of Vehicles	6		7/15/2042	8/11/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	7/15/2042	8/11/2042	20
Cement Trucks - idling	Number of Vehicles	0		7/15/2042	8/11/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/13/2043	3/9/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/13/2043	3/9/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/13/2043	3/9/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	1/13/2043	3/9/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	1/13/2043	3/9/2043	40
Deliveries on site - idling	Number of Vehicles	2		1/13/2043	3/9/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	1/13/2043	3/9/2043	40
Cement Trucks - idling	Number of Vehicles	0		1/13/2043	3/9/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/13/2043	3/9/2043	40
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/10/2043	8/8/2044	370
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/10/2043	8/8/2044	370
Truck Loading Dust	Tons of material being loaded per day	1,560	Dirt	3/10/2043	8/8/2044	370
Truck Loading on site - idling	Number of Vehicles	78	20	3/10/2043	8/8/2044	370
Trucks Traveling on site	Number of Vehicles	78	Paved	3/10/2043	8/8/2044	370
Deliveries on site - idling	Number of Vehicles	17		3/10/2043	8/8/2044	370
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/10/2043	8/8/2044	370
Cement Trucks - idling	Number of Vehicles	0		3/10/2043	8/8/2044	370
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/10/2043	8/8/2044	370
Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/9/2044	12/11/2045	350
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	8/9/2044	12/11/2045	350
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	8/9/2044	12/11/2045	350
Truck Loading on site - idling	Number of Vehicles	1	12	8/9/2044	12/11/2045	350
Trucks Traveling on site	Number of Vehicles	1	Paved	8/9/2044	12/11/2045	350
Deliveries on site - idling	Number of Vehicles	0		8/9/2044	12/11/2045	350
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/9/2044	12/11/2045	350
Cement Trucks - idling	Number of Vehicles	1		8/9/2044	12/11/2045	350
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	8/9/2044	12/11/2045	350
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/12/2045	9/13/2049	980
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/12/2045	9/13/2049	980
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/12/2045	9/13/2049	980
Truck Loading on site - idling	Number of Vehicles	0	12	12/12/2045	9/13/2049	980
Trucks Traveling on site	Number of Vehicles	0	Paved	12/12/2045	9/13/2049	980
Deliveries on site - idling	Number of Vehicles	7		12/12/2045	9/13/2049	980
Deliveries Traveling on site	Number of Vehicles	7	Paved	12/12/2045	9/13/2049	980
Cement Trucks - idling	Number of Vehicles	0		12/12/2045	9/13/2049	980
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/12/2045	9/13/2049	980

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
70	940	65	5560100	333606	1402	70

Begin 32985
End 33925

Volume (yd^3) 205,930
x 1.3 267,709

Excavation Quantity

Dia (ft)	Length (ft)	Area	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
22	12585	380.1327111	9567940.34	574076.42	1552	78

25170

End 32985
Begin 20400

Volume (yd^3) 354,368
x 1.3 460,679

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
12	260	12	37440	2246.4	6	1

Volume (yd^3) 1,387
x 1.3 1,803

Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/30/2047	8/17/2048	318
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/30/2047	8/17/2048	318
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/30/2047	8/17/2048	318
Truck Loading on site - idling	Number of Vehicles	0	12	5/30/2047	8/17/2048	318
Trucks Traveling on site	Number of Vehicles	0	Paved	5/30/2047	8/17/2048	318
Deliveries on site - idling	Number of Vehicles	0		5/30/2047	8/17/2048	318
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/30/2047	8/17/2048	318
Cement Trucks - idling	Number of Vehicles	8		5/30/2047	8/17/2048	318
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	5/30/2047	8/17/2048	318
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/18/2048	8/2/2049	250
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/18/2048	8/2/2049	250
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/18/2048	8/2/2049	250
Truck Loading on site - idling	Number of Vehicles	0	12	8/18/2048	8/2/2049	250
Trucks Traveling on site	Number of Vehicles	0	Paved	8/18/2048	8/2/2049	250
Deliveries on site - idling	Number of Vehicles	10		8/18/2048	8/2/2049	250
Deliveries Traveling on site	Number of Vehicles	10	Paved	8/18/2048	8/2/2049	250
Cement Trucks - idling	Number of Vehicles	0		8/18/2048	8/2/2049	250
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/18/2048	8/2/2049	250
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/18/2048	3/6/2049	144
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/18/2048	3/6/2049	144
Truck Loading Dust	Tons of material being loaded per day	540	Dirt	8/18/2048	3/6/2049	144
Truck Loading on site - idling	Number of Vehicles	45	12	8/18/2048	3/6/2049	144
Trucks Traveling on site	Number of Vehicles	45	Paved	8/18/2048	3/6/2049	144
Deliveries on site - idling	Number of Vehicles	0		8/18/2048	3/6/2049	144
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/18/2048	3/6/2049	144
Cement Trucks - idling	Number of Vehicles	0		8/18/2048	3/6/2049	144
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/18/2048	3/6/2049	144
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/20/2049	5/15/2049	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/20/2049	5/15/2049	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/20/2049	5/15/2049	36
Truck Loading on site - idling	Number of Vehicles	0	12	2/20/2049	5/15/2049	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/20/2049	5/15/2049	36
Deliveries on site - idling	Number of Vehicles	13		2/20/2049	5/15/2049	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/20/2049	5/15/2049	36
Cement Trucks - idling	Number of Vehicles	0		2/20/2049	5/15/2049	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2049	5/15/2049	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/6/2049	9/27/2049	146
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/6/2049	9/27/2049	146
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/6/2049	9/27/2049	146
Truck Loading on site - idling	Number of Vehicles	0	12	3/6/2049	9/27/2049	146
Trucks Traveling on site	Number of Vehicles	0	Paved	3/6/2049	9/27/2049	146
Deliveries on site - idling	Number of Vehicles	6		3/6/2049	9/27/2049	146
Deliveries Traveling on site	Number of Vehicles	6	Paved	3/6/2049	9/27/2049	146
Cement Trucks - idling	Number of Vehicles	0		3/6/2049	9/27/2049	146
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/6/2049	9/27/2049	146

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
70	940	15	1283100	76986	535	45

Volume (yd^3)	47,522
x 1.3	61,779

Task Name	Duration	Start	Finish	Total Slack
Section 1: Expo to Fairfax/Wilshire (IOS)	528.2 wks	1/14/2041	2/27/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	28 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	60 wks
Guideway and Tunnel	446 wks	2/12/2041	8/30/2049	0 wks
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	28 wks
TBM Assembly	8 wks	2/24/2043	4/20/2043	0 wks
Tunnel Boring	119 wks	4/21/2043	7/31/2045	0 wks
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0 wks
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0 wks
TBM Reassembly	8 wks	5/3/2044	6/27/2044	34 wks
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	51 wks	6/28/2044	6/19/2045	34 wks
Bore tunnel tail tracks Fairfax/Wilshire (FW)	6 wks	6/20/2045	7/31/2045	34 wks
Crosspassage	123 wks	5/3/2044	9/10/2046	0 wks
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0 wks
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0 wks
Crosspassage excavations (MC to FW)	38 wks	8/1/2045	4/23/2046	39 wks
Crosspassage structural concrete lining (MC to FW)	38 wks	12/19/2045	9/10/2046	39 wks
Trackwork	220 wks	6/13/2045	8/30/2049	0 wks
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0 wks
Trackwork, track systems, and structural concrete (MC to FW)	110 wks	7/23/2047	8/30/2049	0 wks
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	63 wks
Connection Box	178 wks	5/6/2042	10/2/2045	63 wks
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	63 wks
Shoring and excavation	42 wks	12/2/2042	9/21/2043	63 wks
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	39 wks
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	212 wks
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	282 wks
Midtown Crossing Station and Crossover	420 wks	2/12/2041	3/1/2049	0 wks
Station	420 wks	2/12/2041	3/1/2049	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0 wks
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	28 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	34 wks
MEP and Architectural finish work	55 wks	12/17/2047	1/4/2049	34 wks
Backfill, exterior entry, and surface restoration	51 wks	3/10/2048	3/1/2049	104 wks
Crossover	408 wks	2/12/2041	12/7/2048	116 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	308 wks
Shoring and excavation	64 wks	11/19/2041	2/9/2043	308 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	116 wks
Backfill, exterior entry, and surface restoration	51 wks	12/17/2047	12/7/2048	116 wks
Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	59 wks
Station	298 wks	7/30/2041	4/15/2047	59 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	59 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	117 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	39 wks
MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	132 wks
Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	202 wks
Crossover	286 wks	7/30/2041	1/21/2047	214 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	292 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	292 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	214 wks
Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	214 wks
Fairfax/Wilshire Station and Crossover	295 wks	9/23/2042	5/18/2048	59 wks
Station	295 wks	9/23/2042	5/18/2048	59 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	59 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	59 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	34 wks
MEP and Architectural finish work	64 wks	1/1/2047	3/23/2048	75 wks
Backfill, exterior entry, and surface restoration	60 wks	3/26/2047	5/18/2048	145 wks
Crossover	283 wks	9/23/2042	2/24/2048	157 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	182 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	182 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	157 wks
Backfill, exterior entry, and surface restoration	60 wks	1/1/2047	2/24/2048	157 wks
Maintenance and Storage Facility Expansion (Div 16)	52 wks	2/12/2041	2/10/2042	368 wks
Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	2/12/2041	8/12/2041	368 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	368 wks
Alignment Start-up	104 wks	3/2/2049	2/27/2051	0 wks
Systems testing and commissioning	104 wks	3/2/2049	2/27/2051	0 wks
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Section 1: Expo to Fairfax/Wilshire (IOS) Late	606.2 wks	1/14/2041	8/26/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2640 days
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Unallocated Contingency	78 wks	2/28/2051	8/26/2052	0 wks

Milestone: Late Revenue Service Date - Section 1	0 wks	8/26/2052	8/26/2052	0 wks
Section 2: Fairfax/Wilshire to San Vicente/Santa Monica	530.2 wks	1/14/2041	3/13/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	22 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	82 wks
Guideway and Tunnel	448 wks	2/12/2041	9/13/2049	0 wks
Launch Site - San Vicente / Santa Monica	108 wks	2/12/2041	3/9/2043	0 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0 wks
Shoring and Excavation	74 wks	10/8/2041	3/9/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	22 wks
TBM Assembly	8 wks	1/13/2043	3/9/2043	0 wks
Tunnel Boring	74 wks	3/10/2043	8/8/2044	0 wks
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)	74 wks	3/10/2043	8/8/2044	0 wks
Crosspassage	70 wks	8/9/2044	12/11/2045	0 wks
Crosspassage excavations (SVSM to FW)	45 wks	8/9/2044	6/19/2045	0 wks
Crosspassage structural concrete lining (SVSM to FW)	45 wks	1/31/2045	12/11/2045	0 wks
Trackwork	196 wks	12/12/2045	9/13/2049	0 wks
Trackwork, track systems, and structural concrete (SVSM to FW)	196 wks	12/12/2045	9/13/2049	0 wks
San Vicente/Santa Monica Station and Crossover	450 wks	2/12/2041	9/27/2049	0 wks
Station	450 wks	2/12/2041	9/27/2049	0 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0 wks
Shoring and excavation	74 wks	10/8/2041	3/9/2043	134 wks
Place concrete slab for station box	10 wks	1/31/2045	4/10/2045	35 wks
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	6 wks
MEP and Architectural finish work	50 wks	8/18/2048	8/2/2049	6 wks
Backfill, exterior entry, and surface restoration	46 wks	11/10/2048	9/27/2049	76 wks
Crossover	438 wks	2/12/2041	7/5/2049	88 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	327 wks
Shoring and excavation	58 wks	11/19/2041	12/29/2042	327 wks
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	88 wks
Backfill, exterior entry, and surface restoration	46 wks	8/18/2048	7/5/2049	88 wks
La Cienega/Beverly Station and Crossover	354 wks	6/18/2041	3/30/2048	140 wks
Station	354 wks	6/18/2041	3/30/2048	140 wks
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	140 wks
Shoring and excavation	60 wks	3/25/2042	5/18/2043	140 wks
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	6 wks
MEP and Architectural finish work	52 wks	2/5/2047	2/3/2048	84 wks
Backfill, exterior entry, and surface restoration	48 wks	4/30/2047	3/30/2048	154 wks
Crossover	342 wks	6/18/2041	1/6/2048	166 wks
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	300 wks
Shoring and excavation	60 wks	3/25/2042	5/18/2043	300 wks
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	166 wks
Backfill, exterior entry, and surface restoration	48 wks	2/5/2047	1/6/2048	166 wks
Fairfax/3rd/Beverly Station and Crossover	358 wks	3/25/2042	2/1/2049	110 wks
Station	358 wks	3/25/2042	2/1/2049	110 wks
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	132 wks
Shoring and excavation	64 wks	12/30/2042	3/21/2044	132 wks
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	6 wks
MEP and Architectural finish work	56 wks	11/12/2047	12/7/2048	40 wks
Backfill, exterior entry, and surface restoration	52 wks	2/4/2048	2/1/2049	110 wks
Crossover	346 wks	3/25/2042	11/9/2048	122 wks
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	248 wks
Shoring and excavation	64 wks	12/30/2042	3/21/2044	248 wks
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	122 wks
Backfill, exterior entry, and surface restoration	52 wks	11/12/2047	11/9/2048	122 wks
New Maintenance and Storage Facility	208 wks	2/12/2041	2/6/2045	214 wks
Demolition, grading, and site preparation	52 wks	2/12/2041	2/10/2042	214 wks
Facility structures, trackwork, and systems	156 wks	2/11/2042	2/6/2045	214 wks
Alignment Start-up	104 wks	3/16/2049	3/13/2051	0 wks
Systems testing and commissioning	104 wks	3/16/2049	3/13/2051	0 wks
Milestone: Early Revenue Service Date - Section 2	0 wks	3/13/2051	3/13/2051	0 wks
Section 2: Fairfax/Wilshire to San Vicente/Santa Monica Late	608.2 wks	1/14/2041	9/9/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2650 days
Milestone: Early Revenue Service Date - Section 2	0 wks	3/13/2051	3/13/2051	0 wks
Unallocated Contingency	78 wks	3/14/2051	9/9/2052	0 wks
Milestone: Late Revenue Service Date - Section 2	0 wks	9/9/2052	9/9/2052	0 wks
Section 3: San Vicente/Santa Monica to Hollywood/Highland	449.2 wks	1/14/2041	8/23/2049	0 wks
Pre-Construction	78.2 wks	1/14/2041	7/14/2042	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	17 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Guideway and Tunnel	359 wks	4/9/2041	2/24/2048	0 wks
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0 wks
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	17 wks
TBM Assembly	8 wks	2/17/2043	4/13/2043	0 wks
Tunnel Boring	98 wks	4/14/2043	2/27/2045	0 wks

Task Name	Duration	Start	Finish	Date Difference Start	Finish
Section 2: Fairfax/Wilshire to San Vicente/Santa Monica	530.2 wks	1/14/2041	3/13/2051		
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0	0
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0
Mobilization	4 wks	1/15/2041	2/11/2041	0	0
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	0	0
Guideway and Tunnel	448 wks	2/12/2041	9/13/2049	0	0
Launch Site - San Vicente / Santa Monica	108 wks	2/12/2041	3/9/2043	0	0
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0	0
Shoring and Excavation	74 wks	10/8/2041	3/9/2043	0	0
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	0	0
TBM Assembly	8 wks	1/13/2043	3/9/2043	0	0
Tunnel Boring	74 wks	3/10/2043	8/8/2044	0	0
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)	74 wks	3/10/2043	8/8/2044	0	0
Crosspassage	70 wks	8/9/2044	12/11/2045	0	0
Crosspassage excavations (SVSM to FW)	45 wks	8/9/2044	6/19/2045	0	0
Crosspassage structural concrete lining (SVSM to FW)	45 wks	1/31/2045	12/11/2045	0	0
Trackwork	196 wks	12/12/2045	9/13/2049	0	0
Trackwork, track systems, and structural concrete (SVSM to FW)	196 wks	12/12/2045	9/13/2049	0	0
San Vicente/Santa Monica Station and Crossover	450 wks	2/12/2041	9/27/2049	0	0
Station	450 wks	2/12/2041	9/27/2049	0	0
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0	0
Shoring and excavation	74 wks	10/8/2041	3/9/2043	0	0
Place concrete slab for station box	10 wks	1/31/2045	4/10/2045	0	0
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	0	0
MEP and Architectural finish work	50 wks	8/18/2048	8/2/2049	0	0
Backfill, exterior entry, and surface restoration	46 wks	11/10/2048	9/27/2049	0	0
Double Crossover	438 wks	2/12/2041	7/5/2049	0	0
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0	0
Shoring and excavation	58 wks	11/19/2041	12/29/2042	0	0
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	0	0
Backfill, exterior entry, and surface restoration	46 wks	8/18/2048	7/5/2049	0	0
La Cienega/Beverly Station and Crossover	354 wks	6/18/2041	3/30/2048	0	0
Station	354 wks	6/18/2041	3/30/2048	0	0
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	0	0
Shoring and excavation	60 wks	3/25/2042	5/18/2043	0	0
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	0	0
MEP and Architectural finish work	52 wks	2/5/2047	2/3/2048	0	0
Backfill, exterior entry, and surface restoration	48 wks	4/30/2047	3/30/2048	0	0
Double Crossover	342 wks	6/18/2041	1/6/2048	0	0
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	0	0
Shoring and excavation	60 wks	3/25/2042	5/18/2043	0	0
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	0	0
Backfill, exterior entry, and surface restoration	48 wks	2/5/2047	1/6/2048	0	0
Fairfax/3rd/Beverly Station and Crossover	358 wks	3/25/2042	2/1/2049	0	0
Station	358 wks	3/25/2042	2/1/2049	0	0
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	0	0
Shoring and excavation	64 wks	12/30/2042	3/21/2044	0	0
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	0	0
MEP and Architectural finish work	56 wks	11/12/2047	12/7/2048	0	0
Backfill, exterior entry, and surface restoration	52 wks	2/4/2048	2/1/2049	0	0
Double Crossover	346 wks	3/25/2042	11/9/2048	0	0
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	0	0
Shoring and excavation	64 wks	12/30/2042	3/21/2044	0	0
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	0	0
Backfill, exterior entry, and surface restoration	52 wks	11/12/2047	11/9/2048	0	0
New Maintenance and Storage Facility	208 wks	3/21/2045	3/15/2049	-1498	-1498
Demolition, grading, and site preparation	52 wks	3/21/2045	3/19/2046	-1498	-1498
Facility structures, trackwork, and systems	156 wks	3/20/2046	3/15/2049	-1498	-1498
Alignment Start-up	104 wks	3/16/2049	3/13/2051	0	0
Systems testing and commissioning	104 wks	3/16/2049	3/13/2051	0	0
Milestone: Early Revenue Service Date - Section 2	0 wks	3/13/2051	3/13/2051	0	0

Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0 wks
Bore tunnel tail tracks Hollywood/Highland (HH)	6 wks	10/27/2043	12/7/2043	0 wks
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0 wks
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0 wks
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	48 wks	3/29/2044	2/27/2045	0 wks
Crosspassage	106 wks	2/2/2044	2/12/2046	0 wks
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	24 wks
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	24 wks
Crosspassage excavations (LBSM to SVSM)	30 wks	2/28/2045	9/25/2045	0 wks
Crosspassage structural concrete lining (LBSM to SVSM)	30 wks	7/18/2045	2/12/2046	0 wks
Trackwork	182 wks	8/30/2044	2/24/2048	0 wks
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	24 wks
Trackwork, track systems, and structural concrete (LBSM to SVSM)	106 wks	2/13/2046	2/24/2048	0 wks
La Brea/Santa Monica Station	375 wks	4/9/2041	6/15/2048	0 wks
Station	375 wks	4/9/2041	6/15/2048	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and excavation	71 wks	12/3/2041	4/13/2043	88 wks
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	34 wks
Cast-in-place station box structure	52 wks	5/22/2046	5/20/2047	5 wks
MEP and Architectural finish work	48 wks	5/21/2047	4/20/2048	5 wks
Backfill, exterior entry, and surface restoration	44 wks	8/13/2047	6/15/2048	62 wks
Hollywood/Highland Monica Station and Crossover	309 wks	2/12/2041	1/14/2047	0 wks
Station	309 wks	2/12/2041	1/14/2047	0 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0 wks
Shoring and excavation	82 wks	3/4/2042	9/28/2043	15 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	5 wks
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	79 wks
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	136 wks
Crossover	297 wks	2/12/2041	10/22/2046	148 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	163 wks
Shoring and excavation	82 wks	1/28/2042	8/24/2043	163 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	148 wks
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	148 wks
Fairfax/Santa Monica Station and Crossover	270 wks	7/15/2042	9/16/2047	44 wks
Station	270 wks	7/15/2042	9/16/2047	44 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	44 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	44 wks
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	5 wks
MEP and Architectural finish work	55 wks	7/3/2046	7/22/2047	44 wks
Backfill, exterior entry, and surface restoration	51 wks	9/25/2046	9/16/2047	101 wks
Crossover	258 wks	7/15/2042	6/24/2047	113 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	152 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	152 wks
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	113 wks
Backfill, exterior entry, and surface restoration	51 wks	7/3/2046	6/24/2047	113 wks
Maintenance and Storage Facility Expansion	52 wks	2/12/2041	2/10/2042	289 wks
Demolition, grading, and site preparation	26 wks	2/12/2041	8/12/2041	289 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	289 wks
Alignment Start-up	104 wks	8/27/2047	8/23/2049	0 wks
Systems testing and commissioning	104 wks	8/27/2047	8/23/2049	0 wks
Milestone: Early Revenue Service Date - Section 3	0 wks	8/23/2049	8/23/2049	0 wks
Section 3: San Vicente/Santa Monica to Hollywood/Highland Late	527.2 wks	1/14/2041	2/20/2051	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2245 days
Milestone: Early Revenue Service Date - Section 3	0 wks	8/23/2049	8/23/2049	0 wks
Unallocated Contingency	78 wks	8/24/2049	2/20/2051	0 wks
Milestone: Late Revenue Service Date - Section 3	0 wks	2/20/2051	2/20/2051	0 wks

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	63	7/15/2042	9/16/2047	1350
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	320
Shoring and excavation	15	4/21/2043	7/11/2044	320
Cast-in-place connection structure	15	4/11/2045	7/2/2046	320
MEP and Architectural finish work	13	7/3/2046	7/22/2047	275
Backfill, exterior entry, and surface restoration	15	7/3/2046	9/16/2047	315

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/15/2042	1/16/2043	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	4/21/2043	8/19/2043	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	4/21/2043	8/19/2043	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/20/2043	10/12/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	7/20/2043	10/12/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/12/2043	7/11/2044	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/11/2045	7/2/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	4/11/2045	7/2/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	4/11/2045	7/2/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/11/2045	7/2/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	4/11/2045	7/2/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	4/11/2045	7/2/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/3/2046	7/22/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	7/3/2046	7/22/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	7/3/2046	7/22/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	7/3/2046	7/22/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	7/3/2046	1/9/2047	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	7/3/2046	1/9/2047	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	7/3/2046	1/9/2047	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	7/3/2046	1/9/2047	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	12/26/2046	3/20/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/26/2046	3/20/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	12/26/2046	3/20/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	12/26/2046	3/20/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	12/26/2046	3/20/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/9/2047	9/16/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	1/9/2047	9/16/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	1/9/2047	9/16/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	1/9/2047	9/16/2047	179

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Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	63	7/15/2042	9/16/2047	1350
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	320
Shoring and excavation	15	4/21/2043	7/11/2044	320
Cast-in-place connection structure	15	4/11/2045	7/2/2046	320
MEP and Architectural finish work	13	7/3/2046	7/22/2047	275
Backfill, exterior entry, and surface restoration	15	7/3/2046	9/16/2047	315

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/15/2042	1/16/2043	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	7/15/2042	1/16/2043	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	7/15/2042	1/16/2043	134
Truck Loading on site - idling	Number of Vehicles	4	12	7/15/2042	1/16/2043	134
Trucks Traveling on site	Number of Vehicles	4	Paved	7/15/2042	1/16/2043	134
Deliveries on site - idling	Number of Vehicles	0		7/15/2042	1/16/2043	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	7/15/2042	1/16/2043	134
Cement Trucks - idling	Number of Vehicles	0		7/15/2042	1/16/2043	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/2/2043	10/5/2043	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/2/2043	10/5/2043	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/2/2043	10/5/2043	197
Truck Loading on site - idling	Number of Vehicles	0	12	1/2/2043	10/5/2043	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/2/2043	10/5/2043	197
Deliveries on site - idling	Number of Vehicles	4		1/2/2043	10/5/2043	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/2/2043	10/5/2043	197
Cement Trucks - idling	Number of Vehicles	0		1/2/2043	10/5/2043	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/2/2043	10/5/2043	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/21/2043	8/19/2043	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/21/2043	8/19/2043	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	4/21/2043	8/19/2043	87
Truck Loading on site - idling	Number of Vehicles	5	12	4/21/2043	8/19/2043	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	4/21/2043	8/19/2043	87
Deliveries on site - idling	Number of Vehicles	1		4/21/2043	8/19/2043	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	4/21/2043	8/19/2043	87
Cement Trucks - idling	Number of Vehicles	7		4/21/2043	8/19/2043	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	4/21/2043	8/19/2043	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/20/2043	10/12/2043	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/20/2043	10/12/2043	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	7/20/2043	10/12/2043	36
Truck Loading on site - idling	Number of Vehicles	0	12	7/20/2043	10/12/2043	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/20/2043	10/12/2043	36
Deliveries on site - idling	Number of Vehicles	13		7/20/2043	10/12/2043	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	7/20/2043	10/12/2043	36
Cement Trucks - idling	Number of Vehicles	0		7/20/2043	10/12/2043	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/20/2043	10/12/2043	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/12/2043	7/11/2044	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/12/2043	7/11/2044	196
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt	10/12/2043	7/11/2044	196
Truck Loading on site - idling	Number of Vehicles	100	20	10/12/2043	7/11/2044	196
Trucks Traveling on site	Number of Vehicles	100	Paved	10/12/2043	7/11/2044	196
Deliveries on site - idling	Number of Vehicles	0		10/12/2043	7/11/2044	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/12/2043	7/11/2044	196
Cement Trucks - idling	Number of Vehicles	0		10/12/2043	7/11/2044	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/12/2043	7/11/2044	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4
		Volume (yd^	3,227			
		x 1.3	4,195			

4.0

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	75	6483750	389025	1985	99
		Volume (yd^	240,139			
		x 1.3	312,181			

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/11/2045	7/2/2046	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/11/2045	7/2/2046	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/11/2045	7/2/2046	320
Truck Loading on site - idling	Number of Vehicles	0	12	4/11/2045	7/2/2046	320
Trucks Traveling on site	Number of Vehicles	0	Paved	4/11/2045	7/2/2046	320
Deliveries on site - idling	Number of Vehicles	0		4/11/2045	7/2/2046	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/11/2045	7/2/2046	320
Cement Trucks - idling	Number of Vehicles	8		4/11/2045	7/2/2046	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	4/11/2045	7/2/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/3/2046	7/22/2047	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/3/2046	7/22/2047	275
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/3/2046	7/22/2047	275
Truck Loading on site - idling	Number of Vehicles	0	12	7/3/2046	7/22/2047	275
Trucks Traveling on site	Number of Vehicles	0	Paved	7/3/2046	7/22/2047	275
Deliveries on site - idling	Number of Vehicles	10		7/3/2046	7/22/2047	275
Deliveries Traveling on site	Number of Vehicles	10	Paved	7/3/2046	7/22/2047	275
Cement Trucks - idling	Number of Vehicles	0		7/3/2046	7/22/2047	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/3/2046	7/22/2047	275
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/3/2046	1/9/2047	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/3/2046	1/9/2047	137
Truck Loading Dust	Tons of material being loaded per day	768	Dirt	7/3/2046	1/9/2047	137
Truck Loading on site - idling	Number of Vehicles	64	12	7/3/2046	1/9/2047	137
Trucks Traveling on site	Number of Vehicles	64	Paved	7/3/2046	1/9/2047	137
Deliveries on site - idling	Number of Vehicles	0		7/3/2046	1/9/2047	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/3/2046	1/9/2047	137
Cement Trucks - idling	Number of Vehicles	0		7/3/2046	1/9/2047	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/3/2046	1/9/2047	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/26/2046	3/20/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/26/2046	3/20/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/26/2046	3/20/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	12/26/2046	3/20/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	12/26/2046	3/20/2047	36
Deliveries on site - idling	Number of Vehicles	13		12/26/2046	3/20/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	12/26/2046	3/20/2047	36
Cement Trucks - idling	Number of Vehicles	0		12/26/2046	3/20/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/26/2046	3/20/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/9/2047	9/16/2047	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	1/9/2047	9/16/2047	179
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/9/2047	9/16/2047	179
Truck Loading on site - idling	Number of Vehicles	0	12	1/9/2047	9/16/2047	179
Trucks Traveling on site	Number of Vehicles	0	Paved	1/9/2047	9/16/2047	179
Deliveries on site - idling	Number of Vehicles	3		1/9/2047	9/16/2047	179
Deliveries Traveling on site	Number of Vehicles	3	Paved	1/9/2047	9/16/2047	179
Cement Trucks - idling	Number of Vehicles	0		1/9/2047	9/16/2047	179
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/9/2047	9/16/2047	179

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	20	1729000	103740	757	63

Volume (yd^ 64,037
x 1.3 83,248

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047		
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	410	# TBM Disassemby accounted in this site
Shoring and excavation	19	3/4/2042	9/28/2043	410	
Cast-in-place station box structure	19	12/8/2043	7/3/2045	410	
MEP and Architectural finish work	17	7/4/2045	11/19/2046	360	
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047	400	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	6/12/2041	87
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	3/4/2042	11/29/2042	194
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	10/30/2042	1/22/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	2	0.25	8	2	4	10/30/2042	1/22/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Boom Truck-250	Fleet Average	200	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Other Construction Equipment-120	Fleet Average	100	Electric	4	1.00	16	16	64	1/22/2043	9/28/2043	178
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/8/2043	2/1/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/8/2043	7/3/2045	410
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Backfill											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Off-Highway Truck-175	Fleet Average	156	Diesel	2	1.00	8	8	16	3/17/2046	6/9/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Roller-250	Fleet Average	210	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Off-Highway Truck-250	Fleet Average	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047		
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	410	# TBM Disassemby accounted in this site
Shoring and excavation	19	3/4/2042	9/28/2043	410	
Cast-in-place station box structure	19	12/8/2043	7/3/2045	410	
MEP and Architectural finish work	17	7/4/2045	11/19/2046	360	
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047	400	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	6/12/2041	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	2/12/2041	6/12/2041	87
Truck Loading Dust	Tons of material being loaded per day	132	Aggregate	2/12/2041	6/12/2041	87
Truck Loading on site - idling	Number of Vehicles	11	12	2/12/2041	6/12/2041	87
Trucks Traveling on site	Number of Vehicles	11	Paved	2/12/2041	6/12/2041	87
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	6/12/2041	87
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	6/12/2041	87
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	6/12/2041	87
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/28/2041	9/8/2042	335
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/28/2041	9/8/2042	335
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/28/2041	9/8/2042	335
Truck Loading on site - idling	Number of Vehicles	0	12	5/28/2041	9/8/2042	335
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/28/2041	9/8/2042	335
Deliveries on site - idling	Number of Vehicles	4		5/28/2041	9/8/2042	335
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/28/2041	9/8/2042	335
Cement Trucks - idling	Number of Vehicles	0		5/28/2041	9/8/2042	335
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/28/2041	9/8/2042	335
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/4/2042	11/29/2042	194
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/4/2042	11/29/2042	194
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	3/4/2042	11/29/2042	194
Truck Loading on site - idling	Number of Vehicles	20	12	3/4/2042	11/29/2042	194
Trucks Traveling on site	Number of Vehicles	20	Unpaved	3/4/2042	11/29/2042	194
Deliveries on site - idling	Number of Vehicles	4		3/4/2042	11/29/2042	194
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	3/4/2042	11/29/2042	194
Cement Trucks - idling	Number of Vehicles	28		3/4/2042	11/29/2042	194
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	3/4/2042	11/29/2042	194
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/30/2042	1/22/2043	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/30/2042	1/22/2043	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/30/2042	1/22/2043	36
Truck Loading on site - idling	Number of Vehicles	0	12	10/30/2042	1/22/2043	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/30/2042	1/22/2043	36
Deliveries on site - idling	Number of Vehicles	13		10/30/2042	1/22/2043	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	10/30/2042	1/22/2043	36
Cement Trucks - idling	Number of Vehicles	0		10/30/2042	1/22/2043	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/30/2042	1/22/2043	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/22/2043	9/28/2043	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	32	Dirt	1/22/2043	9/28/2043	178
Truck Loading Dust	Tons of material being loaded per day	6,540	Dirt	1/22/2043	9/28/2043	178
Truck Loading on site - idling	Number of Vehicles	327	20	1/22/2043	9/28/2043	178
Trucks Traveling on site	Number of Vehicles	327	Paved	1/22/2043	9/28/2043	178
Deliveries on site - idling	Number of Vehicles	0		1/22/2043	9/28/2043	178
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/22/2043	9/28/2043	178
Cement Trucks - idling	Number of Vehicles	0		1/22/2043	9/28/2043	178
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/22/2043	9/28/2043	178

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
2	87120	2	174240	11325.6	130	11
		Volume (yd^3	6,453			
		x 1.3	8,389			

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1140	95	9855300	591318	3322	166
70	870	120	9500400	570024	3202	160
		Volume (yd^3	716,878			
		x 1.3	931,941			

9.0

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2043	2/1/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	12/8/2043	2/1/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	2/1/2044	40
Deliveries on site - idling	Number of Vehicles	1		12/8/2043	2/1/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	12/8/2043	2/1/2044	40
Cement Trucks - idling	Number of Vehicles	0		12/8/2043	2/1/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	2/1/2044	40
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2043	7/3/2045	410
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading on site - idling	Number of Vehicles	0	12	12/8/2043	7/3/2045	410
Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	7/3/2045	410
Deliveries on site - idling	Number of Vehicles	0		12/8/2043	7/3/2045	410
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/8/2043	7/3/2045	410
Cement Trucks - idling	Number of Vehicles	8		12/8/2043	7/3/2045	410
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/8/2043	7/3/2045	410
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/4/2045	11/19/2046	360
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading on site - idling	Number of Vehicles	0	12	7/4/2045	11/19/2046	360
Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	11/19/2046	360
Deliveries on site - idling	Number of Vehicles	10		7/4/2045	11/19/2046	360
Deliveries Traveling on site	Number of Vehicles	10	Paved	7/4/2045	11/19/2046	360
Cement Trucks - idling	Number of Vehicles	0		7/4/2045	11/19/2046	360
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	11/19/2046	360
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/4/2045	3/31/2046	194
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/4/2045	3/31/2046	194
Truck Loading Dust	Tons of material being loaded per day	1,752	Dirt	7/4/2045	3/31/2046	194
Truck Loading on site - idling	Number of Vehicles	146	12	7/4/2045	3/31/2046	194
Trucks Traveling on site	Number of Vehicles	146	Paved	7/4/2045	3/31/2046	194
Deliveries on site - idling	Number of Vehicles	0		7/4/2045	3/31/2046	194
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/4/2045	3/31/2046	194
Cement Trucks - idling	Number of Vehicles	0		7/4/2045	3/31/2046	194
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	3/31/2046	194
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/17/2046	6/9/2046	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading on site - idling	Number of Vehicles	0	12	3/17/2046	6/9/2046	36
Trucks Traveling on site	Number of Vehicles	0	Paved	3/17/2046	6/9/2046	36
Deliveries on site - idling	Number of Vehicles	13		3/17/2046	6/9/2046	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	3/17/2046	6/9/2046	36
Cement Trucks - idling	Number of Vehicles	0		3/17/2046	6/9/2046	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/17/2046	6/9/2046	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/31/2046	1/14/2047	206
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	6	Dirt	3/31/2046	1/14/2047	206
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/31/2046	1/14/2047	206
Truck Loading on site - idling	Number of Vehicles	0	12	3/31/2046	1/14/2047	206
Trucks Traveling on site	Number of Vehicles	0	Paved	3/31/2046	1/14/2047	206
Deliveries on site - idling	Number of Vehicles	4		3/31/2046	1/14/2047	206
Deliveries Traveling on site	Number of Vehicles	4	Paved	3/31/2046	1/14/2047	206
Cement Trucks - idling	Number of Vehicles	0		3/31/2046	1/14/2047	206
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/31/2046	1/14/2047	206

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1140	25	1995000	119700	1747	146
70	870	60	3654000	219240		

Volume (yd^3 209,222
x 1.3 271,989

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043	
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20
TBM Assembly	2	2/17/2043	4/13/2043	40
Tunnel Boring	23	4/14/2043	2/27/2045	490
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	4/14/2043	12/7/2043	170
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044	40
TBM Reassembly	2	2/2/2044	3/28/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	11	3/29/2044	2/27/2045	240
Crosspassage	25	2/2/2044	2/12/2046	530
Crosspassage excavations (LBSM to HH)	4	*2/2/2044*	*6/6/2044*	90
Crosspassage structural concrete lining (LBSM to HH)	4	*4/26/2044*	*8/29/2044*	90
Crosspassage excavations (LBSM to SVSM)	7	*2/28/2045*	*9/25/2045*	150
Crosspassage structural concrete lining (LBSM to SVSM)	7	*7/18/2045*	*2/12/2046*	150
Trackwork	42	8/30/2044	2/24/2048	910
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*8/30/2044*	*8/28/2045*	260
Trackwork, track systems, and structural concrete (LBSM to SVSM)	25	*2/13/2046*	*2/24/2048*	530
La Brea/Santa Monica Station	87	*4/9/2041*	*6/15/2048*	1875
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275
Shoring and excavation	17	12/3/2041	4/13/2043	355
Place concrete slab for station box	2	4/26/2044	6/20/2044	40
Cast-in-place station box structure	12	5/22/2046	5/20/2047	260
MEP and Architectural finish work	11	5/21/2047	4/20/2048	240
Backfill, exterior entry, and surface restoration	10	8/13/2047	6/15/2048	220

assume that task "CIP station box structure starts two months before, originally 5/22/2046

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	4/9/2041	9/6/2041	109
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/3/2041	3/3/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/3/2041	3/3/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65

Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/1/2042	3/22/2042	21
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/1/2042	3/22/2042	21
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/22/2042	4/13/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/17/2043	4/13/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/17/2043	4/13/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/17/2043	4/13/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	4/14/2043	12/7/2043	170
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	4/14/2043	12/7/2043	170
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	4/14/2043	12/7/2043	170
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	4/14/2043	12/7/2043	170
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	4/14/2043	12/7/2043	170
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	4/14/2043	12/7/2043	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	4/14/2043	12/7/2043	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/2/2044	3/28/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/2/2044	3/28/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/2/2044	3/28/2044	40

Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/29/2044	2/27/2045	240
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	3/29/2044	2/27/2045	240
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	3/29/2044	2/27/2045	240
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	3/29/2044	2/27/2045	240
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/29/2044	2/27/2045	240
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	3/29/2044	2/27/2045	240
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	3/29/2044	2/27/2045	240
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	3/29/2044	2/27/2045	240
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	3/29/2044	2/27/2045	240
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	3/29/2044	2/27/2045	240
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	3/29/2044	2/27/2045	240
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	3/29/2044	2/27/2045	240
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	3/29/2044	2/27/2045	240
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	3/29/2044	2/27/2045	240
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/29/2044	2/27/2045	240
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/29/2044	2/27/2045	240
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	2/2/2044	2/12/2046	530
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	2/2/2044	2/12/2046	530
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	2/2/2044	2/12/2046	530
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	2/2/2044	2/12/2046	530
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	2/2/2044	2/12/2046	530
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	2/2/2044	2/12/2046	530
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	2/2/2044	2/12/2046	530
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	2/2/2044	2/12/2046	530
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	2/2/2044	2/12/2046	530
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	2/2/2044	2/12/2046	530
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	2/2/2044	2/12/2046	530
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	8/30/2044	2/24/2048	910
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	8/30/2044	2/24/2048	910
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	8/30/2044	2/24/2048	910
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	8/30/2044	2/24/2048	910
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/22/2046	5/20/2047	303
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/22/2046	5/20/2047	303
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/22/2046	5/20/2047	303
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/22/2046	5/20/2047	303
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/22/2046	5/20/2047	303
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/22/2046	5/20/2047	303
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	5/21/2047	4/20/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	5/21/2047	4/20/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	5/21/2047	4/20/2048	240
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/21/2047	4/20/2048	240
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	8/13/2047	1/20/2048	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/13/2047	1/20/2048	115
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	8/13/2047	1/20/2048	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	8/13/2047	1/20/2048	115

Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/6/2048	2/24/2048	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/6/2048	2/24/2048	21
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	1/6/2048	2/24/2048	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	1/6/2048	2/24/2048	21
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	1/6/2048	2/24/2048	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	1/20/2048	6/15/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	1/20/2048	6/15/2048	106
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	1/20/2048	6/15/2048	106
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	1/20/2048	6/15/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043	
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20
TBM Assembly	2	2/17/2043	4/13/2043	40
Tunnel Boring	23	4/14/2043	2/27/2045	490
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	4/14/2043	12/7/2043	170
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044	40
TBM Reassembly	2	2/2/2044	3/28/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	11	3/29/2044	2/27/2045	240
Crosspassage	25	2/2/2044	2/12/2046	530
Crosspassage excavations (LBSM to HH)	4	*2/2/2044*	*6/6/2044*	90
Crosspassage structural concrete lining (LBSM to HH)	4	*4/26/2044*	*8/29/2044*	90
Crosspassage excavations (LBSM to SVSM)	7	*2/28/2045*	*9/25/2045*	150
Crosspassage structural concrete lining (LBSM to SVSM)	7	*7/18/2045*	*2/12/2046*	150
Trackwork	42	8/30/2044	2/24/2048	910
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*8/30/2044*	*8/28/2045*	260
Trackwork, track systems, and structural concrete (LBSM to SVSM)	25	*2/13/2046*	*2/24/2048*	530
La Brea/Santa Monica Station	87	*4/9/2041*	*6/15/2048*	1875
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275
Shoring and excavation	17	12/3/2041	4/13/2043	355
Place concrete slab for station box	2	4/26/2044	6/20/2044	40
Cast-in-place station box structure	12	5/22/2046	5/20/2047	260
MEP and Architectural finish work	11	5/21/2047	4/20/2048	240
Backfill, exterior entry, and surface restoration	10	8/13/2047	6/15/2048	220

assume that task "CIP station box structure starts two months before, originally 5/22/2046

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/9/2041	9/6/2041	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/9/2041	9/6/2041	109
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	4/9/2041	9/6/2041	109
Truck Loading on site - idling	Number of Vehicles	13	12	4/9/2041	9/6/2041	109
Trucks Traveling on site	Number of Vehicles	13	Paved	4/9/2041	9/6/2041	109
Deliveries on site - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Cement Trucks - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/22/2041	4/28/2042	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/22/2041	4/28/2042	178
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/22/2041	4/28/2042	178
Truck Loading on site - idling	Number of Vehicles	0	12	8/22/2041	4/28/2042	178
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Deliveries on site - idling	Number of Vehicles	4		8/22/2041	4/28/2042	178
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/22/2041	4/28/2042	178
Cement Trucks - idling	Number of Vehicles	0		8/22/2041	4/28/2042	178
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/3/2041	3/3/2042	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/3/2041	3/3/2042	65
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/3/2041	3/3/2042	65
Truck Loading on site - idling	Number of Vehicles	5	12	12/3/2041	3/3/2042	65
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/3/2041	3/3/2042	65
Deliveries on site - idling	Number of Vehicles	1		12/3/2041	3/3/2042	65
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/3/2041	3/3/2042	65
Cement Trucks - idling	Number of Vehicles	7		12/3/2041	3/3/2042	65
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/3/2041	3/3/2042	65

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
3	130680	2	261360	16988.4	156	13

Volume (yd^3 9,680
x 1.3 12,584

Decking - 7 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/1/2042	3/22/2042	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/1/2042	3/22/2042	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/1/2042	3/22/2042	21
Truck Loading on site - idling	Number of Vehicles	0	12	2/1/2042	3/22/2042	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/1/2042	3/22/2042	21
Deliveries on site - idling	Number of Vehicles	13		2/1/2042	3/22/2042	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/1/2042	3/22/2042	21
Cement Trucks - idling	Number of Vehicles	0		2/1/2042	3/22/2042	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/1/2042	3/22/2042	21
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/22/2042	4/13/2043	276
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	3/22/2042	4/13/2043	276
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	3/22/2042	4/13/2043	276
Truck Loading on site - idling	Number of Vehicles	30	20	3/22/2042	4/13/2043	276
Trucks Traveling on site	Number of Vehicles	30	Paved	3/22/2042	4/13/2043	276
Deliveries on site - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
Cement Trucks - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/17/2043	4/13/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/17/2043	4/13/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/17/2043	4/13/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	2/17/2043	4/13/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40
Deliveries on site - idling	Number of Vehicles	2		2/17/2043	4/13/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/17/2043	4/13/2043	40
Cement Trucks - idling	Number of Vehicles	0		2/17/2043	4/13/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/14/2043	12/7/2043	170
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	4/14/2043	12/7/2043	170
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt	4/14/2043	12/7/2043	170
Truck Loading on site - idling	Number of Vehicles	75	20	4/14/2043	12/7/2043	170
Trucks Traveling on site	Number of Vehicles	75	Paved	4/14/2043	12/7/2043	170
Deliveries on site - idling	Number of Vehicles	17		4/14/2043	12/7/2043	170
Deliveries Traveling on site	Number of Vehicles	17	Paved	4/14/2043	12/7/2043	170
Cement Trucks - idling	Number of Vehicles	0		4/14/2043	12/7/2043	170
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/14/2043	12/7/2043	170
TBM Reassembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	3/28/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/2/2044	3/28/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/2/2044	3/28/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	2/2/2044	3/28/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40
Deliveries on site - idling	Number of Vehicles	2		2/2/2044	3/28/2044	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/2/2044	3/28/2044	40
Cement Trucks - idling	Number of Vehicles	0		2/2/2044	3/28/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	70	2707250	162435	589	29

Volume (yd^3 100,269
x 1.3 130,349

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	5545	380.1327	4215672	252940.3	1488	74

Volume (yd^3 156,136
x 1.3 202,977

17045 34090

Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/29/2044	2/27/2045	240	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/29/2044	2/27/2045	240	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	2,200	Dirt	3/29/2044	2/27/2045	240	22	11500	380.1327	8743052	524583.1	2186	109	
Truck Loading on site - idling	Number of Vehicles	110	20	3/29/2044	2/27/2045	240								
Trucks Traveling on site	Number of Vehicles	110	Paved	3/29/2044	2/27/2045	240	End	33900						
Deliveries on site - idling	Number of Vehicles	17		3/29/2044	2/27/2045	240	Begin	45400						
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/29/2044	2/27/2045	240	Stations	0						
Cement Trucks - idling	Number of Vehicles	0		3/29/2044	2/27/2045	240			Volume (yd^3	323,817				
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/29/2044	2/27/2045	240			x 1.3	420,962				
Crosspassage														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	2/12/2046	530	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	2/2/2044	2/12/2046	530	Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	2/2/2044	2/12/2046	530	12	240	12	34560	2073.6	4	0	
Truck Loading on site - idling	Number of Vehicles	1	12	2/2/2044	2/12/2046	530								
Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	2/12/2046	530								
Deliveries on site - idling	Number of Vehicles	0		2/2/2044	2/12/2046	530								
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/2/2044	2/12/2046	530								
Cement Trucks - idling	Number of Vehicles	1		2/2/2044	2/12/2046	530								
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	2/12/2046	530								
Trackwork														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/30/2044	2/24/2048	910								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/30/2044	2/24/2048	910								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/30/2044	2/24/2048	910								
Truck Loading on site - idling	Number of Vehicles	0	12	8/30/2044	2/24/2048	910								
Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	2/24/2048	910								
Deliveries on site - idling	Number of Vehicles	7		8/30/2044	2/24/2048	910								
Deliveries Traveling on site	Number of Vehicles	7	Paved	8/30/2044	2/24/2048	910								
Cement Trucks - idling	Number of Vehicles	0		8/30/2044	2/24/2048	910								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	2/24/2048	910								
Cast-in-place station box structure														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/22/2046	5/20/2047	303								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/22/2046	5/20/2047	303								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/22/2046	5/20/2047	303								
Truck Loading on site - idling	Number of Vehicles	0	12	3/22/2046	5/20/2047	303								
Trucks Traveling on site	Number of Vehicles	0	Paved	3/22/2046	5/20/2047	303								
Deliveries on site - idling	Number of Vehicles	0		3/22/2046	5/20/2047	303								
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/22/2046	5/20/2047	303								
Cement Trucks - idling	Number of Vehicles	8		3/22/2046	5/20/2047	303								
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	3/22/2046	5/20/2047	303								
MEP and Architectural finish work														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/21/2047	4/20/2048	240								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/21/2047	4/20/2048	240								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/21/2047	4/20/2048	240								
Truck Loading on site - idling	Number of Vehicles	0	12	5/21/2047	4/20/2048	240								
Trucks Traveling on site	Number of Vehicles	0	Paved	5/21/2047	4/20/2048	240								
Deliveries on site - idling	Number of Vehicles	10		5/21/2047	4/20/2048	240								
Deliveries Traveling on site	Number of Vehicles	10	Paved	5/21/2047	4/20/2048	240								
Cement Trucks - idling	Number of Vehicles	0		5/21/2047	4/20/2048	240								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/21/2047	4/20/2048	240								
Backfill														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/13/2047	1/20/2048	115	Backfill Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/13/2047	1/20/2048	115	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	408	Dirt	8/13/2047	1/20/2048	115	70	425	20	773500	46410	404	34	
Truck Loading on site - idling	Number of Vehicles	34	12	8/13/2047	1/20/2048	115								
Trucks Traveling on site	Number of Vehicles	34	Paved	8/13/2047	1/20/2048	115				Volume (yd^3	28,648			
Deliveries on site - idling	Number of Vehicles	0		8/13/2047	1/20/2048	115				x 1.3	37,243			
Deliveries Traveling on site	Number of Vehicles	0	Paved	8/13/2047	1/20/2048	115								
Cement Trucks - idling	Number of Vehicles	0		8/13/2047	1/20/2048	115								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/13/2047	1/20/2048	115								

K Line Northern Extension
Construction Data

Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/6/2048	2/24/2048	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/6/2048	2/24/2048	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/6/2048	2/24/2048	21
Truck Loading on site - idling	Number of Vehicles	0	12	1/6/2048	2/24/2048	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/6/2048	2/24/2048	21
Deliveries on site - idling	Number of Vehicles	13		1/6/2048	2/24/2048	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1/6/2048	2/24/2048	21
Cement Trucks - idling	Number of Vehicles	0		1/6/2048	2/24/2048	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/6/2048	2/24/2048	21
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/20/2048	6/15/2048	106
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/20/2048	6/15/2048	106
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/20/2048	6/15/2048	106
Truck Loading on site - idling	Number of Vehicles	0	12	1/20/2048	6/15/2048	106
Trucks Traveling on site	Number of Vehicles	0	Paved	1/20/2048	6/15/2048	106
Deliveries on site - idling	Number of Vehicles	6		1/20/2048	6/15/2048	106
Deliveries Traveling on site	Number of Vehicles	6	Paved	1/20/2048	6/15/2048	106
Cement Trucks - idling	Number of Vehicles	0		1/20/2048	6/15/2048	106
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/20/2048	6/15/2048	106

Task Name	Duration	Start	Finish	Total Slack
Section 1: Expo to Fairfax/Wilshire (IOS)	528.2 wks	1/14/2041	2/27/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	28 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	60 wks
Guideway and Tunnel	446 wks	2/12/2041	8/30/2049	0 wks
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	28 wks
TBM Assembly	8 wks	2/24/2043	4/20/2043	0 wks
Tunnel Boring	119 wks	4/21/2043	7/31/2045	0 wks
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0 wks
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0 wks
TBM Reassembly	8 wks	5/3/2044	6/27/2044	34 wks
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	51 wks	6/28/2044	6/19/2045	34 wks
Bore tunnel tail tracks Fairfax/Wilshire (FW)	6 wks	6/20/2045	7/31/2045	34 wks
Crosspassage	123 wks	5/3/2044	9/10/2046	0 wks
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0 wks
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0 wks
Crosspassage excavations (MC to FW)	38 wks	8/1/2045	4/23/2046	39 wks
Crosspassage structural concrete lining (MC to FW)	38 wks	12/19/2045	9/10/2046	39 wks
Trackwork	220 wks	6/13/2045	8/30/2049	0 wks
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0 wks
Trackwork, track systems, and structural concrete (MC to FW)	110 wks	7/23/2047	8/30/2049	0 wks
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	63 wks
Connection Box	178 wks	5/6/2042	10/2/2045	63 wks
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	63 wks
Shoring and excavation	42 wks	12/2/2042	9/21/2043	63 wks
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	39 wks
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	212 wks
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	282 wks
Midtown Crossing Station and Crossover	420 wks	2/12/2041	3/1/2049	0 wks
Station	420 wks	2/12/2041	3/1/2049	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0 wks
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	28 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	34 wks
MEP and Architectural finish work	55 wks	12/17/2047	1/4/2049	34 wks
Backfill, exterior entry, and surface restoration	51 wks	3/10/2048	3/1/2049	104 wks
Crossover	408 wks	2/12/2041	12/7/2048	116 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	308 wks
Shoring and excavation	64 wks	11/19/2041	2/9/2043	308 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	116 wks
Backfill, exterior entry, and surface restoration	51 wks	12/17/2047	12/7/2048	116 wks
Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	59 wks
Station	298 wks	7/30/2041	4/15/2047	59 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	59 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	117 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	39 wks
MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	132 wks
Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	202 wks
Crossover	286 wks	7/30/2041	1/21/2047	214 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	292 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	292 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	214 wks
Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	214 wks
Fairfax/Wilshire Station and Crossover	295 wks	9/23/2042	5/18/2048	59 wks
Station	295 wks	9/23/2042	5/18/2048	59 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	59 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	59 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	34 wks
MEP and Architectural finish work	64 wks	1/1/2047	3/23/2048	75 wks
Backfill, exterior entry, and surface restoration	60 wks	3/26/2047	5/18/2048	145 wks
Crossover	283 wks	9/23/2042	2/24/2048	157 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	182 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	182 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	157 wks
Backfill, exterior entry, and surface restoration	60 wks	1/1/2047	2/24/2048	157 wks
Maintenance and Storage Facility Expansion (Div 16)	52 wks	2/12/2041	2/10/2042	368 wks
Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	2/12/2041	8/12/2041	368 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	368 wks
Alignment Start-up	104 wks	3/2/2049	2/27/2051	0 wks
Systems testing and commissioning	104 wks	3/2/2049	2/27/2051	0 wks
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks

Section 1: Expo to Fairfax/Wilshire (IOS) Late	606.2 wks	1/14/2041	8/26/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2640 days
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Unallocated Contingency	78 wks	2/28/2051	8/26/2052	0 wks
Milestone: Late Revenue Service Date - Section 1	0 wks	8/26/2052	8/26/2052	0 wks
Section 2: Fairfax/Wilshire to San Vicente/Santa Monica	530.2 wks	1/14/2041	3/13/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	22 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	82 wks
Guideway and Tunnel	448 wks	2/12/2041	9/13/2049	0 wks
Launch Site - San Vicente / Santa Monica	108 wks	2/12/2041	3/9/2043	0 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0 wks
Shoring and Excavation	74 wks	10/8/2041	3/9/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	22 wks
TBM Assembly	8 wks	1/13/2043	3/9/2043	0 wks
Tunnel Boring	74 wks	3/10/2043	8/8/2044	0 wks
Bore tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)	74 wks	3/10/2043	8/8/2044	0 wks
Crosspassage	70 wks	8/9/2044	12/11/2045	0 wks
Crosspassage excavations (SVSM to FW)	45 wks	8/9/2044	6/19/2045	0 wks
Crosspassage structural concrete lining (SVSM to FW)	45 wks	1/31/2045	12/11/2045	0 wks
Trackwork	196 wks	12/12/2045	9/13/2049	0 wks
Trackwork, track systems, and structural concrete (SVSM to FW)	196 wks	12/12/2045	9/13/2049	0 wks
San Vicente/Santa Monica Station and Crossover	450 wks	2/12/2041	9/27/2049	0 wks
Station	450 wks	2/12/2041	9/27/2049	0 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	0 wks
Shoring and excavation	74 wks	10/8/2041	3/9/2043	134 wks
Place concrete slab for station box	10 wks	1/31/2045	4/10/2045	35 wks
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	6 wks
MEP and Architectural finish work	50 wks	8/18/2048	8/2/2049	6 wks
Backfill, exterior entry, and surface restoration	46 wks	11/10/2048	9/27/2049	76 wks
Crossover	438 wks	2/12/2041	7/5/2049	88 wks
Demolition, utility relocation, and site preparation	58 wks	2/12/2041	3/24/2042	327 wks
Shoring and excavation	58 wks	11/19/2041	12/29/2042	327 wks
Cast-in-place station box structure	55 wks	7/30/2047	8/17/2048	88 wks
Backfill, exterior entry, and surface restoration	46 wks	8/18/2048	7/5/2049	88 wks
La Cienega/Beverly Station and Crossover	354 wks	6/18/2041	3/30/2048	140 wks
Station	354 wks	6/18/2041	3/30/2048	140 wks
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	140 wks
Shoring and excavation	60 wks	3/25/2042	5/18/2043	140 wks
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	6 wks
MEP and Architectural finish work	52 wks	2/5/2047	2/3/2048	84 wks
Backfill, exterior entry, and surface restoration	48 wks	4/30/2047	3/30/2048	154 wks
Crossover	342 wks	6/18/2041	1/6/2048	166 wks
Demolition, utility relocation, and site preparation	60 wks	6/18/2041	8/11/2042	300 wks
Shoring and excavation	60 wks	3/25/2042	5/18/2043	300 wks
Cast-in-place station box structure	60 wks	12/12/2045	2/4/2047	166 wks
Backfill, exterior entry, and surface restoration	48 wks	2/5/2047	1/6/2048	166 wks
Fairfax/3rd/Beverly Station and Crossover	358 wks	3/25/2042	2/1/2049	110 wks
Station	358 wks	3/25/2042	2/1/2049	110 wks
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	132 wks
Shoring and excavation	64 wks	12/30/2042	3/21/2044	132 wks
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	6 wks
MEP and Architectural finish work	56 wks	11/12/2047	12/7/2048	40 wks
Backfill, exterior entry, and surface restoration	52 wks	2/4/2048	2/1/2049	110 wks
Crossover	346 wks	3/25/2042	11/9/2048	122 wks
Demolition, utility relocation, and site preparation	64 wks	3/25/2042	6/15/2043	248 wks
Shoring and excavation	64 wks	12/30/2042	3/21/2044	248 wks
Cast-in-place station box structure	64 wks	8/21/2046	11/11/2047	122 wks
Backfill, exterior entry, and surface restoration	52 wks	11/12/2047	11/9/2048	122 wks
New Maintenance and Storage Facility	208 wks	2/12/2041	2/6/2045	214 wks
Demolition, grading, and site preparation	52 wks	2/12/2041	2/10/2042	214 wks
Facility structures, trackwork, and systems	156 wks	2/11/2042	2/6/2045	214 wks
Alignment Start-up	104 wks	3/16/2049	3/13/2051	0 wks
Systems testing and commissioning	104 wks	3/16/2049	3/13/2051	0 wks
Milestone: Early Revenue Service Date - Section 2	0 wks	3/13/2051	3/13/2051	0 wks
Section 2: Fairfax/Wilshire to San Vicente/Santa Monica Late	608.2 wks	1/14/2041	9/9/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2650 days
Milestone: Early Revenue Service Date - Section 2	0 wks	3/13/2051	3/13/2051	0 wks
Unallocated Contingency	78 wks	3/14/2051	9/9/2052	0 wks

Milestone: Late Revenue Service Date - Section 2	0 wks	9/9/2052	9/9/2052	0 wks
Section 3: San Vicente/Santa Monica to Hollywood/Highland	449.2 wks	1/14/2041	8/23/2049	0 wks
Pre-Construction	78.2 wks	1/14/2041	7/14/2042	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	17 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Guideway and Tunnel	359 wks	4/9/2041	2/24/2048	0 wks
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0 wks
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	17 wks
TBM Assembly	8 wks	2/17/2043	4/13/2043	0 wks
Tunnel Boring	98 wks	4/14/2043	2/27/2045	0 wks
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0 wks
Bore tunnel tail tracks Hollywood/Highland (HH)	6 wks	10/27/2043	12/7/2043	0 wks
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0 wks
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0 wks
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	48 wks	3/29/2044	2/27/2045	0 wks
Crosspassage	106 wks	2/2/2044	2/12/2046	0 wks
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	24 wks
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	24 wks
Crosspassage excavations (LBSM to SVSM)	30 wks	2/28/2045	9/25/2045	0 wks
Crosspassage structural concrete lining (LBSM to SVSM)	30 wks	7/18/2045	2/12/2046	0 wks
Trackwork	182 wks	8/30/2044	2/24/2048	0 wks
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	24 wks
Trackwork, track systems, and structural concrete (LBSM to SVSM)	106 wks	2/13/2046	2/24/2048	0 wks
La Brea/Santa Monica Station	375 wks	4/9/2041	6/15/2048	0 wks
Station	375 wks	4/9/2041	6/15/2048	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and excavation	71 wks	12/3/2041	4/13/2043	88 wks
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	34 wks
Cast-in-place station box structure	52 wks	5/22/2046	5/20/2047	5 wks
MEP and Architectural finish work	48 wks	5/21/2047	4/20/2048	5 wks
Backfill, exterior entry, and surface restoration	44 wks	8/13/2047	6/15/2048	62 wks
Hollywood/Highland Monica Station and Crossover	309 wks	2/12/2041	1/14/2047	0 wks
Station	309 wks	2/12/2041	1/14/2047	0 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0 wks
Shoring and excavation	82 wks	3/4/2042	9/28/2043	15 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	5 wks
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	79 wks
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	136 wks
Crossover	297 wks	2/12/2041	10/22/2046	148 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	163 wks
Shoring and excavation	82 wks	1/28/2042	8/24/2043	163 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	148 wks
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	148 wks
Fairfax/Santa Monica Station and Crossover	270 wks	7/15/2042	9/16/2047	44 wks
Station	270 wks	7/15/2042	9/16/2047	44 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	44 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	44 wks
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	5 wks
MEP and Architectural finish work	55 wks	7/3/2046	7/22/2047	44 wks
Backfill, exterior entry, and surface restoration	51 wks	9/25/2046	9/16/2047	101 wks
Crossover	258 wks	7/15/2042	6/24/2047	113 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	152 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	152 wks
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	113 wks
Backfill, exterior entry, and surface restoration	51 wks	7/3/2046	6/24/2047	113 wks
Maintenance and Storage Facility Expansion	52 wks	2/12/2041	2/10/2042	289 wks
Demolition, grading, and site preparation	26 wks	2/12/2041	8/12/2041	289 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	289 wks
Alignment Start-up	104 wks	8/27/2047	8/23/2049	0 wks
Systems testing and commissioning	104 wks	8/27/2047	8/23/2049	0 wks
Milestone: Early Revenue Service Date - Section 3	0 wks	8/23/2049	8/23/2049	0 wks
Section 3: San Vicente/Santa Monica to Hollywood/Highland Late	527.2 wks	1/14/2041	2/20/2051	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2245 days
Milestone: Early Revenue Service Date - Section 3	0 wks	8/23/2049	8/23/2049	0 wks
Unallocated Contingency	78 wks	8/24/2049	2/20/2051	0 wks
Milestone: Late Revenue Service Date - Section 3	0 wks	2/20/2051	2/20/2051	0 wks

Task Name	Duration	Start	Finish	Date Difference Start	Date Difference Finish
Section 3: San Vicente/Santa Monica to Hollywood/Highland	449.2 wks	1/14/2041	8/23/2049	0	0
Pre-Construction	78.2 wks	1/14/2041	7/14/2042	0	0
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0
Mobilization	4 wks	1/15/2041	2/11/2041	0	0
Guideway and Tunnel	359 wks	4/9/2041	2/24/2048	0	0
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0	0
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0	0
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	0	0
TBM Assembly	8 wks	2/17/2043	4/13/2043	0	0
Tunnel Boring	98 wks	4/14/2043	2/27/2045	0	0
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0	0
Bore tunnel tail tracks Hollywood/Highland (HH)	6 wks	10/27/2043	12/7/2043	0	0
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0	0
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0	0
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	48 wks	3/29/2044	2/27/2045	0	0
Crosspassage	106 wks	2/2/2044	2/12/2046	0	0
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	0	0
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	0	0
Crosspassage excavations (LBSM to SVSM)	30 wks	2/28/2045	9/25/2045	0	0
Crosspassage structural concrete lining (LBSM to SVSM)	30 wks	7/18/2045	2/12/2046	0	0
Trackwork	182 wks	8/30/2044	2/24/2048	0	0
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	0	0
Trackwork, track systems, and structural concrete (LBSM to SVSM)	106 wks	2/13/2046	2/24/2048	0	0
La Brea/Santa Monica Station	375 wks	4/9/2041	6/15/2048	0	0
Station	375 wks	4/9/2041	6/15/2048	0	0
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0
Shoring and excavation	71 wks	12/3/2041	4/13/2043	0	0
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	0	0
Cast-in-place station box structure	52 wks	5/22/2046	5/20/2047	0	0
MEP and Architectural finish work	48 wks	5/21/2047	4/20/2048	0	0
Backfill, exterior entry, and surface restoration	44 wks	8/13/2047	6/15/2048	0	0
Hollywood/Highland Station and Crossovers	309 wks	2/12/2041	1/14/2047	0	0
Station	309 wks	2/12/2041	1/14/2047	0	0
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0
Shoring and excavation	82 wks	3/4/2042	9/28/2043	0	0
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	0	0
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	0	0
(2) Double Crossovers	297 wks	2/12/2041	10/22/2046	0	0
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0
Shoring and excavation	82 wks	3/4/2042	9/28/2043	-35	-35
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	0	0
Fairfax/Santa Monica Station and Crossover	270 wks	7/15/2042	9/16/2047	0	0
Station	270 wks	7/15/2042	9/16/2047	0	0
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0
Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	0	0
MEP and Architectural finish work	55 wks	7/3/2046	7/22/2047	0	0
Backfill, exterior entry, and surface restoration	51 wks	9/25/2046	9/16/2047	0	0
Double Crossover	258 wks	7/15/2042	6/24/2047	0	0
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0
Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0
Cast-in-place station box structure	64 wks	4/11/2045	7/2/2046	0	0
Backfill, exterior entry, and surface restoration	51 wks	7/3/2046	6/24/2047	0	0
				51544	51907
				51544	51725
				51726	51907
Alignment Start-up	104 wks	8/27/2047	8/23/2049	0	0
Systems testing and commissioning	104 wks	8/27/2047	8/23/2049	0	0
Milestone: Early Revenue Service Date - Section 3	0 wks	8/23/2049	8/23/2049	0	0

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	73	7/16/2041	7/1/2047	1555
Demolition, utility relocation, and site preparation	15	7/16/2041	10/6/2042	320
Shoring and excavation	15	4/22/2042	7/13/2043	320
Cast-in-place connection structure	15	1/24/2045	4/16/2046	320
MEP and Architectural finish work	13	4/17/2046	5/6/2047	275
Backfill, exterior entry, and surface restoration	15	4/17/2046	7/1/2047	315

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/16/2041	1/17/2042	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/16/2041	1/17/2042	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/16/2041	1/17/2042	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/3/2042	10/6/2042	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/3/2042	10/6/2042	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/3/2042	10/6/2042	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/3/2042	10/6/2042	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/3/2042	10/6/2042	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	4/22/2042	8/20/2042	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	4/22/2042	8/20/2042	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	4/22/2042	8/20/2042	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	4/22/2042	8/20/2042	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	4/22/2042	8/20/2042	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	4/22/2042	8/20/2042	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	4/22/2042	8/20/2042	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	4/22/2042	8/20/2042	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	4/22/2042	8/20/2042	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/21/2042	10/13/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/21/2042	10/13/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	7/21/2042	10/13/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/21/2042	10/13/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	7/21/2042	10/13/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/13/2042	7/13/2043	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/13/2042	7/13/2043	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/13/2042	7/13/2043	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/13/2042	7/13/2043	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/13/2042	7/13/2043	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/13/2042	7/13/2043	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/13/2042	7/13/2043	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/13/2042	7/13/2043	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/13/2042	7/13/2043	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	1/24/2045	4/16/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/24/2045	4/16/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	1/24/2045	4/16/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/24/2045	4/16/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	1/24/2045	4/16/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/24/2045	4/16/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	4/17/2046	5/6/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	4/17/2046	5/6/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	4/17/2046	5/6/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	4/17/2046	5/6/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	4/17/2046	10/24/2046	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/17/2046	10/24/2046	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	4/17/2046	10/24/2046	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	4/17/2046	10/24/2046	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/10/2046	1/2/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	10/10/2046	1/2/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	10/10/2046	1/2/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	10/10/2046	1/2/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	10/10/2046	1/2/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	10/24/2046	7/1/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	10/24/2046	7/1/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	10/24/2046	7/1/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	10/24/2046	7/1/2047	179

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	73	7/16/2041	7/1/2047	1555
Demolition, utility relocation, and site preparation	15	7/16/2041	10/6/2042	320
Shoring and excavation	15	4/22/2042	7/13/2043	320
Cast-in-place connection structure	15	1/24/2045	4/16/2046	320
MEP and Architectural finish work	13	4/17/2046	5/6/2047	275
Backfill, exterior entry, and surface restoration	15	4/17/2046	7/1/2047	315

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/16/2041	1/17/2042	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	7/16/2041	1/17/2042	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	7/16/2041	1/17/2042	134
Truck Loading on site - idling	Number of Vehicles	4	12	7/16/2041	1/17/2042	134
Trucks Traveling on site	Number of Vehicles	4	Paved	7/16/2041	1/17/2042	134
Deliveries on site - idling	Number of Vehicles	0		7/16/2041	1/17/2042	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	7/16/2041	1/17/2042	134
Cement Trucks - idling	Number of Vehicles	0		7/16/2041	1/17/2042	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/16/2041	1/17/2042	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/3/2042	10/6/2042	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/3/2042	10/6/2042	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/3/2042	10/6/2042	197
Truck Loading on site - idling	Number of Vehicles	0	12	1/3/2042	10/6/2042	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/3/2042	10/6/2042	197
Deliveries on site - idling	Number of Vehicles	4		1/3/2042	10/6/2042	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/3/2042	10/6/2042	197
Cement Trucks - idling	Number of Vehicles	0		1/3/2042	10/6/2042	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/3/2042	10/6/2042	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/22/2042	8/20/2042	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/22/2042	8/20/2042	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	4/22/2042	8/20/2042	87
Truck Loading on site - idling	Number of Vehicles	5	12	4/22/2042	8/20/2042	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	4/22/2042	8/20/2042	87
Deliveries on site - idling	Number of Vehicles	1		4/22/2042	8/20/2042	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	4/22/2042	8/20/2042	87
Cement Trucks - idling	Number of Vehicles	7		4/22/2042	8/20/2042	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	4/22/2042	8/20/2042	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/21/2042	10/13/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/21/2042	10/13/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	7/21/2042	10/13/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	7/21/2042	10/13/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/21/2042	10/13/2042	36
Deliveries on site - idling	Number of Vehicles	13		7/21/2042	10/13/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	7/21/2042	10/13/2042	36
Cement Trucks - idling	Number of Vehicles	0		7/21/2042	10/13/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/21/2042	10/13/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/13/2042	7/13/2043	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/13/2042	7/13/2043	196
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt	10/13/2042	7/13/2043	196
Truck Loading on site - idling	Number of Vehicles	100	20	10/13/2042	7/13/2043	196
Trucks Traveling on site	Number of Vehicles	100	Paved	10/13/2042	7/13/2043	196
Deliveries on site - idling	Number of Vehicles	0		10/13/2042	7/13/2043	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/13/2042	7/13/2043	196
Cement Trucks - idling	Number of Vehicles	0		10/13/2042	7/13/2043	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/13/2042	7/13/2043	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Volume (yd^ 3,227
x 1.3 4,195

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	75	6483750	389025	1985	99

Volume (yd^ 240,139
x 1.3 312,181

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/24/2045	4/16/2046	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/24/2045	4/16/2046	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/24/2045	4/16/2046	320
Truck Loading on site - idling	Number of Vehicles	0	12	1/24/2045	4/16/2046	320
Trucks Traveling on site	Number of Vehicles	0	Paved	1/24/2045	4/16/2046	320
Deliveries on site - idling	Number of Vehicles	0		1/24/2045	4/16/2046	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/24/2045	4/16/2046	320
Cement Trucks - idling	Number of Vehicles	8		1/24/2045	4/16/2046	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	1/24/2045	4/16/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/17/2046	5/6/2047	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/17/2046	5/6/2047	275
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/17/2046	5/6/2047	275
Truck Loading on site - idling	Number of Vehicles	0	12	4/17/2046	5/6/2047	275
Trucks Traveling on site	Number of Vehicles	0	Paved	4/17/2046	5/6/2047	275
Deliveries on site - idling	Number of Vehicles	10		4/17/2046	5/6/2047	275
Deliveries Traveling on site	Number of Vehicles	10	Paved	4/17/2046	5/6/2047	275
Cement Trucks - idling	Number of Vehicles	0		4/17/2046	5/6/2047	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/17/2046	5/6/2047	275
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/17/2046	10/24/2046	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/17/2046	10/24/2046	137
Truck Loading Dust	Tons of material being loaded per day	768	Dirt	4/17/2046	10/24/2046	137
Truck Loading on site - idling	Number of Vehicles	64	12	4/17/2046	10/24/2046	137
Trucks Traveling on site	Number of Vehicles	64	Paved	4/17/2046	10/24/2046	137
Deliveries on site - idling	Number of Vehicles	0		4/17/2046	10/24/2046	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/17/2046	10/24/2046	137
Cement Trucks - idling	Number of Vehicles	0		4/17/2046	10/24/2046	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/17/2046	10/24/2046	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/10/2046	1/2/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/10/2046	1/2/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/10/2046	1/2/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	10/10/2046	1/2/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	10/10/2046	1/2/2047	36
Deliveries on site - idling	Number of Vehicles	13		10/10/2046	1/2/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	10/10/2046	1/2/2047	36
Cement Trucks - idling	Number of Vehicles	0		10/10/2046	1/2/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/10/2046	1/2/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/24/2046	7/1/2047	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	10/24/2046	7/1/2047	179
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/24/2046	7/1/2047	179
Truck Loading on site - idling	Number of Vehicles	0	12	10/24/2046	7/1/2047	179
Trucks Traveling on site	Number of Vehicles	0	Paved	10/24/2046	7/1/2047	179
Deliveries on site - idling	Number of Vehicles	3		10/24/2046	7/1/2047	179
Deliveries Traveling on site	Number of Vehicles	3	Paved	10/24/2046	7/1/2047	179
Cement Trucks - idling	Number of Vehicles	0		10/24/2046	7/1/2047	179
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/24/2046	7/1/2047	179

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	20	1729000	103740	757	63

Volume (yd^	64,037
x 1.3	83,248

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	92	2/12/2041	9/14/2048		
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	10/17/2045	3/18/2047	370	
MEP and Architectural finish work	16	3/19/2047	7/20/2048	350	
Backfill, exterior entry, and surface restoration	18	3/19/2047	9/14/2048	390	

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Calculated Start	Calculated End	Calculated Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	5/30/2041	78
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	1/28/2042	9/15/2042	165
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	8/16/2042	11/8/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	2	0.25	8	2	4	8/16/2042	11/8/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Boom Truck-250	Fleet Average	200	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Other Construction Equipment-120	Fleet Average	100	Electric	4	1.00	16	16	64	11/8/2042	6/29/2043	166
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/3/2044	6/27/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/17/2045	3/18/2047	370
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	10/17/2045	3/18/2047	370
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	10/17/2045	3/18/2047	370
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	10/17/2045	3/18/2047	370
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/17/2045	3/18/2047	370
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	10/17/2045	3/18/2047	370
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/19/2047	7/20/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/19/2047	7/20/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/19/2047	7/20/2048	350
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/19/2047	7/20/2048	350
Backfill											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	3/19/2047	12/9/2047	190
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	3/19/2047	12/9/2047	190
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	3/19/2047	12/9/2047	190
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	3/19/2047	12/9/2047	190
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	11/25/2047	2/17/2048	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	11/25/2047	2/17/2048	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	11/25/2047	2/17/2048	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	11/25/2047	2/17/2048	36
Off-Highway Truck-175	Fleet Average	156	Diesel	2	1.00	8	8	16	11/25/2047	2/17/2048	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	12/9/2047	9/14/2048	201
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	12/9/2047	9/14/2048	201
Roller-250	Fleet Average	210	Diesel	3	0.25	8	2	6	12/9/2047	9/14/2048	201
Off-Highway Truck-250	Fleet Average	200	Diesel	3	0.25	8	2	6	12/9/2047	9/14/2048	201

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	92	2/12/2041	9/14/2048		
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	10/17/2045	3/18/2047	370	
MEP and Architectural finish work	16	3/19/2047	7/20/2048	350	
Backfill, exterior entry, and surface restoration	18	3/19/2047	9/14/2048	390	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	5/30/2041	78
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	2/12/2041	5/30/2041	78
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	2/12/2041	5/30/2041	78
Truck Loading on site - idling	Number of Vehicles	13	12	2/12/2041	5/30/2041	78
Trucks Traveling on site	Number of Vehicles	13	Paved	2/12/2041	5/30/2041	78
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/15/2041	7/14/2042	304
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/15/2041	7/14/2042	304
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/15/2041	7/14/2042	304
Truck Loading on site - idling	Number of Vehicles	0	12	5/15/2041	7/14/2042	304
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304
Deliveries on site - idling	Number of Vehicles	4		5/15/2041	7/14/2042	304
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/15/2041	7/14/2042	304
Cement Trucks - idling	Number of Vehicles	0		5/15/2041	7/14/2042	304
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/28/2042	9/15/2042	165
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/28/2042	9/15/2042	165
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	1/28/2042	9/15/2042	165
Truck Loading on site - idling	Number of Vehicles	20	12	1/28/2042	9/15/2042	165
Trucks Traveling on site	Number of Vehicles	20	Unpaved	1/28/2042	9/15/2042	165
Deliveries on site - idling	Number of Vehicles	4		1/28/2042	9/15/2042	165
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	1/28/2042	9/15/2042	165
Cement Trucks - idling	Number of Vehicles	28		1/28/2042	9/15/2042	165
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	1/28/2042	9/15/2042	165
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/16/2042	11/8/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/16/2042	11/8/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/16/2042	11/8/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	8/16/2042	11/8/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/16/2042	11/8/2042	36
Deliveries on site - idling	Number of Vehicles	13		8/16/2042	11/8/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/16/2042	11/8/2042	36
Cement Trucks - idling	Number of Vehicles	0		8/16/2042	11/8/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/16/2042	11/8/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2042	6/29/2043	166
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/8/2042	6/29/2043	166
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt	11/8/2042	6/29/2043	166
Truck Loading on site - idling	Number of Vehicles	147	20	11/8/2042	6/29/2043	166
Trucks Traveling on site	Number of Vehicles	147	Paved	11/8/2042	6/29/2043	166
Deliveries on site - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166
Cement Trucks - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
2	87120	2	174240	11325.6	145	12

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	940	95	8126300	487578	2937	147

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/3/2044	6/27/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/3/2044	6/27/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/3/2044	6/27/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	5/3/2044	6/27/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40
Deliveries on site - idling	Number of Vehicles	1		5/3/2044	6/27/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	5/3/2044	6/27/2044	40
Cement Trucks - idling	Number of Vehicles	0		5/3/2044	6/27/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40
Cast-in-place box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/17/2045	3/18/2047	370
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/17/2045	3/18/2047	370
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/17/2045	3/18/2047	370
Truck Loading on site - idling	Number of Vehicles	0	12	10/17/2045	3/18/2047	370
Trucks Traveling on site	Number of Vehicles	0	Paved	10/17/2045	3/18/2047	370
Deliveries on site - idling	Number of Vehicles	0		10/17/2045	3/18/2047	370
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/17/2045	3/18/2047	370
Cement Trucks - idling	Number of Vehicles	8		10/17/2045	3/18/2047	370
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	10/17/2045	3/18/2047	370
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/19/2047	7/20/2048	350
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/19/2047	7/20/2048	350
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/19/2047	7/20/2048	350
Truck Loading on site - idling	Number of Vehicles	0	12	3/19/2047	7/20/2048	350
Trucks Traveling on site	Number of Vehicles	0	Paved	3/19/2047	7/20/2048	350
Deliveries on site - idling	Number of Vehicles	10		3/19/2047	7/20/2048	350
Deliveries Traveling on site	Number of Vehicles	10	Paved	3/19/2047	7/20/2048	350
Cement Trucks - idling	Number of Vehicles	0		3/19/2047	7/20/2048	350
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/19/2047	7/20/2048	350
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/19/2047	12/9/2047	190
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/19/2047	12/9/2047	190
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	3/19/2047	12/9/2047	190
Truck Loading on site - idling	Number of Vehicles	44	12	3/19/2047	12/9/2047	190
Trucks Traveling on site	Number of Vehicles	44	Paved	3/19/2047	12/9/2047	190
Deliveries on site - idling	Number of Vehicles	0		3/19/2047	12/9/2047	190
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/19/2047	12/9/2047	190
Cement Trucks - idling	Number of Vehicles	0		3/19/2047	12/9/2047	190
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/19/2047	12/9/2047	190
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/25/2047	2/17/2048	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/25/2047	2/17/2048	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/25/2047	2/17/2048	36
Truck Loading on site - idling	Number of Vehicles	0	12	11/25/2047	2/17/2048	36
Trucks Traveling on site	Number of Vehicles	0	Paved	11/25/2047	2/17/2048	36
Deliveries on site - idling	Number of Vehicles	13		11/25/2047	2/17/2048	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	11/25/2047	2/17/2048	36
Cement Trucks - idling	Number of Vehicles	0		11/25/2047	2/17/2048	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/25/2047	2/17/2048	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/9/2047	9/14/2048	201
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	12/9/2047	9/14/2048	201
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/9/2047	9/14/2048	201
Truck Loading on site - idling	Number of Vehicles	0	12	12/9/2047	9/14/2048	201
Trucks Traveling on site	Number of Vehicles	0	Paved	12/9/2047	9/14/2048	201
Deliveries on site - idling	Number of Vehicles	3		12/9/2047	9/14/2048	201
Deliveries Traveling on site	Number of Vehicles	3	Paved	12/9/2047	9/14/2048	201
Cement Trucks - idling	Number of Vehicles	0		12/9/2047	9/14/2048	201
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/9/2047	9/14/2048	201

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	940	25	1645000	98700	519	43

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Launch Site - La Brea/Santa Monica	24	5/28/2041	6/1/2043		
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20	
TBM Assembly	2	4/7/2043	6/1/2043	40	
Tunnel Boring	23	6/2/2043	4/17/2045	490	
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	8/23/2044	4/17/2045	170	
Disassembly of TBM and Relocate	2	5/3/2044	6/27/2044	40	# not accounted in this tab
TBM Reassembly	2	6/28/2044	8/22/2044	40	
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	11	6/2/2043	5/2/2044	240	
Crosspassage	19	6/28/2044	1/8/2046	400	
Crosspassage excavations (LBSM to HH)	4	*6/13/2045*	*10/16/2045*	90	
Crosspassage structural concrete lining (LBSM to HH)	4	*9/5/2045*	*1/8/2046*	90	
Crosspassage excavations (LBSM to SVSM)	7	*6/28/2044*	*1/23/2045*	150	
Crosspassage structural concrete lining (LBSM to SVSM)	7	*11/15/2044*	*6/12/2045*	150	
Trackwork	37	6/13/2045	6/22/2048	790	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/25/2047*	*6/22/2048*	260	
Trackwork, track systems, and structural concrete (LBSM to SVSM)	25	*6/13/2045*	*6/24/2047*	530	
La Brea/Santa Monica Station	85	*4/9/2041*	*3/30/2048*	1820	
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275	
Shoring and excavation	17	12/3/2041	4/13/2043	355	
Place concrete slab for station box	2	11/15/2044	1/9/2045	40	# assume that task "CIP station box structure" starts 60 calendar days in advance
Cast-in-place station box structure	12	3/6/2046	3/4/2047	260	
MEP and Architectural finish work	11	3/5/2047	2/3/2048	240	
Backfill, exterior entry, and surface restoration	10	5/28/2047	3/30/2048	220	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	4/9/2041	9/6/2041	109
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/3/2041	3/3/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/3/2041	3/3/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/1/2042	3/22/2042	21
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/1/2042	3/22/2042	21

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/22/2042	4/13/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	4/7/2043	6/1/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	4/7/2043	6/1/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	4/7/2043	6/1/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	4/7/2043	6/1/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	4/7/2043	6/1/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	8/23/2044	4/17/2045	170
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	8/23/2044	4/17/2045	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	8/23/2044	4/17/2045	170
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	8/23/2044	4/17/2045	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	8/23/2044	4/17/2045	170
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	8/23/2044	4/17/2045	170
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	8/23/2044	4/17/2045	170
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	8/23/2044	4/17/2045	170
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	8/23/2044	4/17/2045	170
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	8/23/2044	4/17/2045	170
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	8/23/2044	4/17/2045	170
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	8/23/2044	4/17/2045	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	8/23/2044	4/17/2045	170
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	8/23/2044	4/17/2045	170
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	8/23/2044	4/17/2045	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	8/23/2044	4/17/2045	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	6/28/2044	8/22/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	6/28/2044	8/22/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/28/2044	8/22/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	6/28/2044	8/22/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	6/28/2044	8/22/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	6/2/2043	5/2/2044	240
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	6/2/2043	5/2/2044	240
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	6/2/2043	5/2/2044	240
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	6/2/2043	5/2/2044	240
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	6/2/2043	5/2/2044	240
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	6/2/2043	5/2/2044	240
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	6/2/2043	5/2/2044	240
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	6/2/2043	5/2/2044	240
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	6/2/2043	5/2/2044	240
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	6/2/2043	5/2/2044	240
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	6/2/2043	5/2/2044	240
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	6/2/2043	5/2/2044	240
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	6/2/2043	5/2/2044	240
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	6/2/2043	5/2/2044	240
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	6/2/2043	5/2/2044	240
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	6/2/2043	5/2/2044	240

Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/28/2044	1/8/2046	400
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	6/28/2044	1/8/2046	400
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	6/28/2044	1/8/2046	400
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	6/28/2044	1/8/2046	400
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	6/28/2044	1/8/2046	400
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	6/28/2044	1/8/2046	400
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	6/28/2044	1/8/2046	400
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	6/28/2044	1/8/2046	400
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	6/28/2044	1/8/2046	400
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	6/28/2044	1/8/2046	400
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	6/28/2044	1/8/2046	400
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/13/2045	6/22/2048	790
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/13/2045	6/22/2048	790
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/13/2045	6/22/2048	790
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/13/2045	6/22/2048	790
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	1/5/2046	3/4/2047	302
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/5/2046	3/4/2047	302
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	1/5/2046	3/4/2047	302
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/5/2046	3/4/2047	302
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	1/5/2046	3/4/2047	302
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/5/2046	3/4/2047	302
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/5/2047	2/3/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/5/2047	2/3/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/5/2047	2/3/2048	240
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/5/2047	2/3/2048	240
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	5/28/2047	11/4/2047	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	5/28/2047	11/4/2047	115
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	5/28/2047	11/4/2047	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	5/28/2047	11/4/2047	115
Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/21/2047	12/9/2047	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	10/21/2047	12/9/2047	21
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	10/21/2047	12/9/2047	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	10/21/2047	12/9/2047	21
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	10/21/2047	12/9/2047	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	11/4/2047	3/30/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	11/4/2047	3/30/2048	106
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	11/4/2047	3/30/2048	106
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/4/2047	3/30/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - La Brea/Santa Monica	24	5/28/2041	6/1/2043	
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20
TBM Assembly	2	4/7/2043	6/1/2043	40
Tunnel Boring	23	6/2/2043	4/17/2045	490
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	8/23/2044	4/17/2045	170
Disassembly of TBM and Relocate	2	5/3/2044	6/27/2044	40
TBM Reassembly	2	6/28/2044	8/22/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	11	6/2/2043	5/2/2044	240
Crosspassage	19	6/28/2044	1/8/2046	400
Crosspassage excavations (LBSM to HH)	4	*6/13/2045*	*10/16/2045*	90
Crosspassage structural concrete lining (LBSM to HH)	4	*9/5/2045*	*1/8/2046*	90
Crosspassage excavations (LBSM to SVSM)	7	*6/28/2044*	*1/23/2045*	150
Crosspassage structural concrete lining (LBSM to SVSM)	7	*11/15/2044*	*6/12/2045*	150
Trackwork	37	6/13/2045	6/22/2048	790
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/25/2047*	*6/22/2048*	260
Trackwork, track systems, and structural concrete (LBSM to SVSM)	25	*6/13/2045*	*6/24/2047*	530
La Brea/Santa Monica Station	85	*4/9/2041*	*3/30/2048*	1820
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275
Shoring and excavation	17	12/3/2041	4/13/2043	355
Place concrete slab for station box	2	11/15/2044	1/9/2045	40
Cast-in-place station box structure	12	3/6/2046	3/4/2047	260
MEP and Architectural finish work	11	3/5/2047	2/3/2048	240
Backfill, exterior entry, and surface restoration	10	5/28/2047	3/30/2048	220

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/9/2041	9/6/2041	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/9/2041	9/6/2041	109
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	4/9/2041	9/6/2041	109
Truck Loading on site - idling	Number of Vehicles	13	12	4/9/2041	9/6/2041	109
Trucks Traveling on site	Number of Vehicles	13	Paved	4/9/2041	9/6/2041	109
Deliveries on site - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Cement Trucks - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/22/2041	4/28/2042	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/22/2041	4/28/2042	178
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/22/2041	4/28/2042	178
Truck Loading on site - idling	Number of Vehicles	0	12	8/22/2041	4/28/2042	178
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Deliveries on site - idling	Number of Vehicles	4		8/22/2041	4/28/2042	178
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/22/2041	4/28/2042	178
Cement Trucks - idling	Number of Vehicles	0		8/22/2041	4/28/2042	178
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/3/2041	3/3/2042	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/3/2041	3/3/2042	65
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/3/2041	3/3/2042	65
Truck Loading on site - idling	Number of Vehicles	5	12	12/3/2041	3/3/2042	65
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/3/2041	3/3/2042	65
Deliveries on site - idling	Number of Vehicles	1		12/3/2041	3/3/2042	65
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/3/2041	3/3/2042	65
Cement Trucks - idling	Number of Vehicles	7		12/3/2041	3/3/2042	65
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/3/2041	3/3/2042	65

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
3	130680	2	261360	16988.4	156	13

Volume (yd^3 9,680
x 1.3 12,584

Decking - 7 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/1/2042	3/22/2042	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/1/2042	3/22/2042	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/1/2042	3/22/2042	21
Truck Loading on site - idling	Number of Vehicles	0	12	2/1/2042	3/22/2042	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/1/2042	3/22/2042	21
Deliveries on site - idling	Number of Vehicles	13		2/1/2042	3/22/2042	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/1/2042	3/22/2042	21
Cement Trucks - idling	Number of Vehicles	0		2/1/2042	3/22/2042	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/1/2042	3/22/2042	21
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/22/2042	4/13/2043	276
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	3/22/2042	4/13/2043	276
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	3/22/2042	4/13/2043	276
Truck Loading on site - idling	Number of Vehicles	30	20	3/22/2042	4/13/2043	276
Trucks Traveling on site	Number of Vehicles	30	Paved	3/22/2042	4/13/2043	276
Deliveries on site - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
Cement Trucks - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/7/2043	6/1/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/7/2043	6/1/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/7/2043	6/1/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	4/7/2043	6/1/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	4/7/2043	6/1/2043	40
Deliveries on site - idling	Number of Vehicles	2		4/7/2043	6/1/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	4/7/2043	6/1/2043	40
Cement Trucks - idling	Number of Vehicles	0		4/7/2043	6/1/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/7/2043	6/1/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/23/2044	4/17/2045	170
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	8/23/2044	4/17/2045	170
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt	8/23/2044	4/17/2045	170
Truck Loading on site - idling	Number of Vehicles	75	20	8/23/2044	4/17/2045	170
Trucks Traveling on site	Number of Vehicles	75	Paved	8/23/2044	4/17/2045	170
Deliveries on site - idling	Number of Vehicles	17		8/23/2044	4/17/2045	170
Deliveries Traveling on site	Number of Vehicles	17	Paved	8/23/2044	4/17/2045	170
Cement Trucks - idling	Number of Vehicles	0		8/23/2044	4/17/2045	170
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/23/2044	4/17/2045	170
TBM Reassembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/28/2044	8/22/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/28/2044	8/22/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/28/2044	8/22/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	6/28/2044	8/22/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	6/28/2044	8/22/2044	40
Deliveries on site - idling	Number of Vehicles	2		6/28/2044	8/22/2044	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	6/28/2044	8/22/2044	40
Cement Trucks - idling	Number of Vehicles	0		6/28/2044	8/22/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/28/2044	8/22/2044	40

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	70	2707250	162435	589	29

Volume (yd^3 100,269
x 1.3 130,349

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	5545	380.1327	4215672	252940.3	1488	74

Volume (yd^3 156,136
x 1.3 202,977

Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/2/2043	5/2/2044	240	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	6/2/2043	5/2/2044	240	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	2,200	Dirt	6/2/2043	5/2/2044	240	22	11500	380.1327	8743052	524583.1	2186	109	
Truck Loading on site - idling	Number of Vehicles	110	20	6/2/2043	5/2/2044	240								
Trucks Traveling on site	Number of Vehicles	110	Paved	6/2/2043	5/2/2044	240	End	33900						
Deliveries on site - idling	Number of Vehicles	17		6/2/2043	5/2/2044	240	Begin	45400						
Deliveries Traveling on site	Number of Vehicles	17	Paved	6/2/2043	5/2/2044	240	Stations	0						
Cement Trucks - idling	Number of Vehicles	0		6/2/2043	5/2/2044	240			Volume (yd^	323,817				
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/2/2043	5/2/2044	240			x 1.3	420,962				
Crosspassage														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/28/2044	1/8/2046	400	Excavation Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	6/28/2044	1/8/2046	400	Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	6/28/2044	1/8/2046	400	12	240	12	34560	2073.6	5	0	
Truck Loading on site - idling	Number of Vehicles	1	12	6/28/2044	1/8/2046	400								
Trucks Traveling on site	Number of Vehicles	1	Paved	6/28/2044	1/8/2046	400								
Deliveries on site - idling	Number of Vehicles	0		6/28/2044	1/8/2046	400								
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/28/2044	1/8/2046	400								
Cement Trucks - idling	Number of Vehicles	1		6/28/2044	1/8/2046	400								
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	6/28/2044	1/8/2046	400								
Trackwork														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/13/2045	6/22/2048	790								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/13/2045	6/22/2048	790								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/13/2045	6/22/2048	790								
Truck Loading on site - idling	Number of Vehicles	0	12	6/13/2045	6/22/2048	790								
Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	6/22/2048	790								
Deliveries on site - idling	Number of Vehicles	7		6/13/2045	6/22/2048	790								
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/13/2045	6/22/2048	790								
Cement Trucks - idling	Number of Vehicles	0		6/13/2045	6/22/2048	790								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	6/22/2048	790								
Cast-in-place station box structure														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/5/2046	3/4/2047	302								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/5/2046	3/4/2047	302								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/5/2046	3/4/2047	302								
Truck Loading on site - idling	Number of Vehicles	0	12	1/5/2046	3/4/2047	302								
Trucks Traveling on site	Number of Vehicles	0	Paved	1/5/2046	3/4/2047	302								
Deliveries on site - idling	Number of Vehicles	0		1/5/2046	3/4/2047	302								
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/5/2046	3/4/2047	302								
Cement Trucks - idling	Number of Vehicles	8		1/5/2046	3/4/2047	302								
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	1/5/2046	3/4/2047	302								
MEP and Architectural finish work														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/5/2047	2/3/2048	240								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/5/2047	2/3/2048	240								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/5/2047	2/3/2048	240								
Truck Loading on site - idling	Number of Vehicles	0	12	3/5/2047	2/3/2048	240								
Trucks Traveling on site	Number of Vehicles	0	Paved	3/5/2047	2/3/2048	240								
Deliveries on site - idling	Number of Vehicles	10		3/5/2047	2/3/2048	240								
Deliveries Traveling on site	Number of Vehicles	10	Paved	3/5/2047	2/3/2048	240								
Cement Trucks - idling	Number of Vehicles	0		3/5/2047	2/3/2048	240								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/5/2047	2/3/2048	240								
Backfill														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/28/2047	11/4/2047	115	Backfill Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/28/2047	11/4/2047	115	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	408	Dirt	5/28/2047	11/4/2047	115	70	425	20	773500	46410	404	34	
Truck Loading on site - idling	Number of Vehicles	34	12	5/28/2047	11/4/2047	115								
Trucks Traveling on site	Number of Vehicles	34	Paved	5/28/2047	11/4/2047	115				Volume (yd^	28,648			
Deliveries on site - idling	Number of Vehicles	0		5/28/2047	11/4/2047	115				x 1.3	37,243			
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/28/2047	11/4/2047	115								
Cement Trucks - idling	Number of Vehicles	0		5/28/2047	11/4/2047	115								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/28/2047	11/4/2047	115								

K Line Northern Extension
Construction Data

Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/21/2047	12/9/2047	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/21/2047	12/9/2047	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/21/2047	12/9/2047	21
Truck Loading on site - idling	Number of Vehicles	0	12	10/21/2047	12/9/2047	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/21/2047	12/9/2047	21
Deliveries on site - idling	Number of Vehicles	13		10/21/2047	12/9/2047	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	10/21/2047	12/9/2047	21
Cement Trucks - idling	Number of Vehicles	0		10/21/2047	12/9/2047	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/21/2047	12/9/2047	21
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/4/2047	3/30/2048	106
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/4/2047	3/30/2048	106
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/4/2047	3/30/2048	106
Truck Loading on site - idling	Number of Vehicles	0	12	11/4/2047	3/30/2048	106
Trucks Traveling on site	Number of Vehicles	0	Paved	11/4/2047	3/30/2048	106
Deliveries on site - idling	Number of Vehicles	6		11/4/2047	3/30/2048	106
Deliveries Traveling on site	Number of Vehicles	6	Paved	11/4/2047	3/30/2048	106
Cement Trucks - idling	Number of Vehicles	0		11/4/2047	3/30/2048	106
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/4/2047	3/30/2048	106

Section 3: San Vicente/Santa Monica to Hollywood Bowl	511.2 wks	1/14/2041	10/31/2050
Pre-Construction	78.2 wks	1/14/2041	7/14/2042
Notice to Proceed	1 day	1/14/2041	1/14/2041
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042
Mobilization	4 wks	1/15/2041	2/11/2041
Guideway and Tunnel	369 wks	5/28/2041	6/22/2048
Launch Site - La Brea/Santa Monica	105 wks	5/28/2041	6/1/2043
Demolition, utility relocation, and site preparation	55 wks	5/28/2041	6/16/2042
Shoring and Excavation	71 wks	1/21/2042	6/1/2043
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042
TBM Assembly	8 wks	4/7/2043	6/1/2043
Tunnel Boring	98 wks	6/2/2043	4/17/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)	48 wks	6/2/2043	5/2/2044
Disassembly of TBM and Relocate	8 wks	5/3/2044	6/27/2044
TBM Reassembly	8 wks	6/28/2044	8/22/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	28 wks	8/23/2044	3/6/2045
Bore tunnel tail tracks - Hollywood/Highland	6 wks	3/7/2045	4/17/2045
Crosspassage	80 wks	6/28/2044	1/8/2046
Crosspassage excavations (LBSM to SVSM)	30 wks	6/28/2044	1/23/2045
Crosspassage structural concrete lining (LBSM to SVSM)	30 wks	11/15/2044	6/12/2045
Crosspassage excavations (LBSM to HH)	18 wks	6/13/2045	10/16/2045
Crosspassage structural concrete lining (LBSM to HH)	18 wks	9/5/2045	1/8/2046
Trackwork	158 wks	6/13/2045	6/22/2048
Trackwork, track systems, and structural concrete (LBSM to SVSM)	106 wks	6/13/2045	6/24/2047
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	6/25/2047	6/22/2048

La Brea/Santa Monica Station	364 wks	4/9/2041	3/30/2048
Station	364 wks	4/9/2041	3/30/2048
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042
Shoring and excavation	71 wks	12/3/2041	4/13/2043
Place concrete slab for station box	8 wks	11/15/2044	1/9/2045
Cast-in-place station box structure	52 wks	3/6/2046	3/4/2047
MEP and Architectural finish work	48 wks	3/5/2047	2/3/2048
Backfill, exterior entry, and surface restoration	44 wks	5/28/2047	3/30/2048
Hollywood/Highland Station and Crossover	396 wks	2/12/2041	9/14/2048
Station	396 wks	2/12/2041	9/14/2048
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	10/17/2045	3/18/2047
MEP and Architectural finish work	70 wks	3/19/2047	7/20/2048
Backfill, exterior entry, and surface restoration	66 wks	6/11/2047	9/14/2048
Double Crossover	384 wks	2/12/2041	6/22/2048
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	10/17/2045	3/18/2047
Backfill, exterior entry, and surface restoration	66 wks	3/19/2047	6/22/2048
Fairfax/Santa Monica Station and Crossover	311 wks	7/16/2041	7/1/2047
Station	311 wks	7/16/2041	7/1/2047
Demolition, utility relocation, and site preparation	64 wks	7/16/2041	10/6/2042
Shoring and excavation	64 wks	4/22/2042	7/13/2043
Cast-in-place station box structure	64 wks	1/24/2045	4/16/2046
MEP and Architectural finish work	55 wks	4/17/2046	5/6/2047
Backfill, exterior entry, and surface restoration	52 wks	7/3/2046	7/1/2047
Double Crossover	300 wks	7/16/2041	4/15/2047
Demolition, utility relocation, and site preparation	64 wks	7/16/2041	10/6/2042
Shoring and excavation	64 wks	4/22/2042	7/13/2043
Cast-in-place station box structure	64 wks	1/24/2045	4/16/2046
Backfill, exterior entry, and surface restoration	52 wks	4/17/2046	4/15/2047

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			0
Notice to Proceed	0			0
Mobilization	0			0
Hollywood Bowl Station and Crossovers	93	10/8/2041	5/31/2049	1995
Shaft Excavation	66	10/8/2041	3/25/2047	1425
Demolition, utility relocation, and site preparation	5	10/8/2041	2/24/2042	100
Construct excavation structure (Miner Rd)	24	2/25/2042	2/22/2044	520
Shoring and excavation	10	2/25/2042	12/7/2042	204
Cast-in-place station box structure	10	12/7/2042	9/18/2043	205
MEP and Architectural finish work	5	9/18/2043	2/22/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/27/2044	3/25/2047	650
Shoring and excavation	12	9/27/2044	9/22/2045	259
Cast-in-place station box structure	12	9/22/2045	9/17/2046	257
MEP and Architectural finish work	6	9/17/2046	3/25/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/29/2048	3/29/2049	65
Conventional Tunneling	41	2/23/2044	7/8/2047	880
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	2/23/2044	3/6/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	2/5/2047	7/8/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	3/13/2045	6/23/2045	75
SEM Construction (Staggered Crews)	42	12/27/2044	6/22/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/27/2044	12/11/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	12/12/2045	2/4/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	7/9/2047	6/22/2048	250
Crosspassage	4	11/7/2044	3/6/2045	86
Crosspassage excavations (HH to Miner Rd)	4	11/7/2044	3/6/2045	86
Trackwork	10	6/23/2048	5/3/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	6/23/2048	5/3/2049	225
Station	26	2/5/2047	3/29/2049	560
Cast-in-place station/crossover structure	12	2/5/2047	2/3/2048	260
MEP and Architectural finish work	14	2/4/2048	3/29/2049	300
West Entrance	27	3/26/2047	5/31/2049	570
Demolition, utility relocation, and site preparation	6	3/26/2047	9/23/2047	130
Shoring and excavation	6	9/24/2047	3/23/2048	130
Cast-in-place station box structure	6	3/24/2048	9/21/2048	130
MEP and Architectural finish work	5	9/22/2048	2/8/2049	100
Backfill, exterior entry, and surface restoration	4	2/9/2049	5/31/2049	80

Note: not consistent with the dates in the schedule

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	10/8/2041	12/7/2041	44
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	10/8/2041	12/7/2041	44
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	10/8/2041	12/7/2041	44
Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	12/8/2041	2/24/2042	56
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	12/8/2041	2/24/2042	56

Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	12/8/2041	2/24/2042	56
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2041	2/24/2042	56
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	12/8/2041	2/24/2042	56
Shoring - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	2/25/2042	4/7/2042	30
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	2/25/2042	4/7/2042	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	2/25/2042	4/7/2042	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	2/25/2042	4/7/2042	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/25/2042	4/7/2042	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	2/25/2042	4/7/2042	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	2/25/2042	4/7/2042	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	2/25/2042	4/7/2042	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/25/2042	4/7/2042	30
Excavation - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/8/2042	12/7/2042	174
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	4/8/2042	12/7/2042	174
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	4/8/2042	12/7/2042	174
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	4/8/2042	12/7/2042	174
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	4/8/2042	12/7/2042	174
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	4/8/2042	12/7/2042	174
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	4/8/2042	12/7/2042	174
Cast-in-place station box structure - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/7/2042	9/18/2043	205
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/7/2042	9/18/2043	205
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/7/2042	9/18/2043	205
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	12/7/2042	9/18/2043	205
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/7/2042	9/18/2043	205
MEP and Architectural finish work - Shaft (Miner Rd)											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/18/2043	2/22/2044	112
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/18/2043	2/22/2044	112
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/18/2043	2/22/2044	112
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/18/2043	2/22/2044	112
Shoring - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/27/2044	11/7/2044	30
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	9/27/2044	11/7/2044	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/27/2044	11/7/2044	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/27/2044	11/7/2044	30
Decking -3 Weekends (Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/8/2044	11/29/2044	9
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	11/8/2044	11/29/2044	9
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	11/8/2044	11/29/2044	9
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	11/8/2044	11/29/2044	9

Excavation - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/30/2044	9/22/2045	213
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	11/30/2044	9/22/2045	213
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	11/30/2044	9/22/2045	213
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/30/2044	9/22/2045	213
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	11/30/2044	9/22/2045	213
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	9/22/2045	9/17/2046	257
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	9/22/2045	9/17/2046	257
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	9/22/2045	9/17/2046	257
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	9/22/2045	9/17/2046	257
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/22/2045	9/17/2046	257
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/17/2046	3/25/2047	136
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Decking removal -3 weekends (Shaft Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/13/2049	2/3/2049	9
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	1/13/2049	2/3/2049	9
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	1/13/2049	2/3/2049	9
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	1/13/2049	2/3/2049	9
Conventional Tunneling - Miner Rd to Franklin PI											
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	2/23/2044	3/6/2045	270
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	2/23/2044	3/6/2045	270
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	2/23/2044	3/6/2045	270
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	2/23/2044	3/6/2045	270
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	2/23/2044	3/6/2045	270
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	2/23/2044	3/6/2045	270

Conventional Tunneling - Station to North Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	2/5/2047	7/8/2047	110
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	2/5/2047	7/8/2047	110
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	2/5/2047	7/8/2047	110
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	2/5/2047	7/8/2047	110
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	2/5/2047	7/8/2047	110
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	2/5/2047	7/8/2047	110
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	2/5/2047	7/8/2047	110
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	2/5/2047	7/8/2047	110
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/5/2047	7/8/2047	110
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	2/5/2047	7/8/2047	110
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	2/5/2047	7/8/2047	110
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	2/5/2047	7/8/2047	110
Conventional Tunneling - North Double Crossover to North Shaft											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/13/2045	6/23/2045	75
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/13/2045	6/23/2045	75
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	3/13/2045	6/23/2045	75
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	3/13/2045	6/23/2045	75
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	3/13/2045	6/23/2045	75
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	3/13/2045	6/23/2045	75
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	3/13/2045	6/23/2045	75
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	3/13/2045	6/23/2045	75
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	3/13/2045	6/23/2045	75
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	3/13/2045	6/23/2045	75
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	3/13/2045	6/23/2045	75
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	3/13/2045	6/23/2045	75
SEM Construction - South Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	12/27/2044	12/11/2045	250
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	12/27/2044	12/11/2045	250
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	12/27/2044	12/11/2045	250
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	12/27/2044	12/11/2045	250
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	12/27/2044	12/11/2045	250
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	12/27/2044	12/11/2045	250
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	12/27/2044	12/11/2045	250
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	12/27/2044	12/11/2045	250
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	12/27/2044	12/11/2045	250
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	12/27/2044	12/11/2045	250
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	12/27/2044	12/11/2045	250
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	12/27/2044	12/11/2045	250

SEM Construction - Station Structure											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	12/12/2045	2/4/2047	300
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	12/12/2045	2/4/2047	300
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	12/12/2045	2/4/2047	300
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	12/12/2045	2/4/2047	300
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	12/12/2045	2/4/2047	300
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	12/12/2045	2/4/2047	300
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	12/12/2045	2/4/2047	300
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	12/12/2045	2/4/2047	300
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	12/12/2045	2/4/2047	300
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	12/12/2045	2/4/2047	300
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	12/12/2045	2/4/2047	300
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	12/12/2045	2/4/2047	300
SEM Construction - North Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	7/9/2047	6/22/2048	250
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	7/9/2047	6/22/2048	250
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	7/9/2047	6/22/2048	250
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	7/9/2047	6/22/2048	250
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	7/9/2047	6/22/2048	250
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	7/9/2047	6/22/2048	250
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	7/9/2047	6/22/2048	250
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	7/9/2047	6/22/2048	250
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/9/2047	6/22/2048	250
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	7/9/2047	6/22/2048	250
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	7/9/2047	6/22/2048	250
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	7/9/2047	6/22/2048	250
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	11/7/2044	3/6/2045	86
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	11/7/2044	3/6/2045	86
Excavator-120	Tier 2	90	Diesel	2	0.25	8	2	4	11/7/2044	3/6/2045	86
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	11/7/2044	3/6/2045	86
Ventilation Plant-250	Fleet Average	200	Electric	1	1.00	24	24	24	11/7/2044	3/6/2045	86
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.05	8	0	0	11/7/2044	3/6/2045	86
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.20	8	2	2	11/7/2044	3/6/2045	86
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	11/7/2044	3/6/2045	86
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.20	10	2	2	11/7/2044	3/6/2045	86
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	10	3	3	11/7/2044	3/6/2045	86
Water Treatment Plant-120	Fleet Average	100	Electric	1	1.00	24	24	24	11/7/2044	3/6/2045	86

Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/23/2048	5/3/2049	225
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/23/2048	5/3/2049	225
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/23/2048	5/3/2049	225
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/23/2048	5/3/2049	225
Demolition - West Entrance											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	3/26/2047	6/9/2047	54
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	3/26/2047	6/9/2047	54
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	3/26/2047	6/9/2047	54
Utility Relocation & Site Praparaton - West Entrance											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/9/2047	9/23/2047	76
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	6/9/2047	9/23/2047	76
Shoring - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/24/2047	11/4/2047	30
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	9/24/2047	11/4/2047	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/24/2047	11/4/2047	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/24/2047	11/4/2047	30
Excavation - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/5/2047	3/23/2048	100
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	11/5/2047	3/23/2048	100
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	11/5/2047	3/23/2048	100
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/5/2047	3/23/2048	100
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	11/5/2047	3/23/2048	100
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Cast-in-place station box structure - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/24/2048	9/21/2048	130
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/24/2048	9/21/2048	130
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/24/2048	9/21/2048	130
MEP and Architectural finish work - West Entrance											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/22/2048	2/8/2049	100
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100

Backfill - West Entrance											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Surface restoration - West Entrance											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Cast-in-place station cavern structure - Station & Crossovers											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/5/2047	2/3/2048	260
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/5/2047	2/3/2048	260
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/5/2047	2/3/2048	260
MEP and Architectural finish work - Station & Crossovers											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/4/2048	3/29/2049	300
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			
Notice to Proceed	0			
Mobilization	0			
Hollywood Bowl Station and Crossovers	93	10/8/2041	5/31/2049	1995
Shaft Excavation	66	10/8/2041	3/25/2047	1425
Demolition, utility relocation, and site preparation	5	10/8/2041	2/24/2042	100
Construct excavation structure (Miner Rd)	24	2/25/2042	2/22/2044	520
Shoring and excavation	10	2/25/2042	12/7/2042	204
Cast-in-place station box structure	10	12/7/2042	9/18/2043	205
MEP and Architectural finish work	5	9/18/2043	2/22/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/27/2044	3/25/2047	650
Shoring and excavation	12	9/27/2044	9/22/2045	259
Cast-in-place station box structure	12	9/22/2045	9/17/2046	257
MEP and Architectural finish work	6	9/17/2046	3/25/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/29/2048	3/29/2049	65
Conventional Tunneling	41	2/23/2044	7/8/2047	880
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	2/23/2044	3/6/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	2/5/2047	7/8/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	3/13/2045	6/23/2045	75
SEM Construction (Staggered Crews)	42	12/27/2044	6/22/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/27/2044	12/11/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	12/12/2045	2/4/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	7/9/2047	6/22/2048	250
Crosspassage	4	11/7/2044	3/6/2045	86
Crosspassage excavations (HH to Miner Rd)	4	11/7/2044	3/6/2045	86
Trackwork	10	6/23/2048	5/3/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	6/23/2048	5/3/2049	225
Station	26	2/5/2047	3/29/2049	560
Cast-in-place station/crossover structure	12	2/5/2047	2/3/2048	260
MEP and Architectural finish work	14	2/4/2048	3/29/2049	300
West Entrance	27	3/26/2047	5/31/2049	570
Demolition, utility relocation, and site preparation	6	3/26/2047	9/23/2047	130
Shoring and excavation	6	9/24/2047	3/23/2048	130
Cast-in-place station box structure	6	3/24/2048	9/21/2048	130
MEP and Architectural finish work	5	9/22/2048	2/8/2049	100
Backfill, exterior entry, and surface restoration	4	2/9/2049	5/31/2049	80

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/8/2041	12/7/2041	44
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	10/8/2041	12/7/2041	44
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	10/8/2041	12/7/2041	44
Truck Loading on site - idling	Number of Vehicles	4	12	10/8/2041	12/7/2041	44
Trucks Traveling on site	Number of Vehicles	4	Paved	10/8/2041	12/7/2041	44
Deliveries on site - idling	Number of Vehicles	0		10/8/2041	12/7/2041	44
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	10/8/2041	12/7/2041	44
Cement Trucks - idling	Number of Vehicles	0		10/8/2041	12/7/2041	44
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/8/2041	12/7/2041	44

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
0.35410864	15424.9724	2	30849.94	2005.246	46	4

Miner Rd Footprint

Width (ft)	Length (ft)	Area (ft2)	Area (acres)
70	130	9100	0.208907

Pilgrimage Rd Footprint

Width (ft)	Length (ft)	Area (ft2)	Area (acres)
55	115	6325	0.145202

Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2041	2/24/2042	56
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/8/2041	2/24/2042	56
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	12/8/2041	2/24/2042	56
Truck Loading on site - idling	Number of Vehicles	0	12	12/8/2041	2/24/2042	56
Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/8/2041	2/24/2042	56
Deliveries on site - idling	Number of Vehicles	4		12/8/2041	2/24/2042	56
Deliveries Traveling on site	Number of Vehicles	4	Paved	12/8/2041	2/24/2042	56
Cement Trucks - idling	Number of Vehicles	0		12/8/2041	2/24/2042	56
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/8/2041	2/24/2042	56
Shoring - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/25/2042	4/7/2042	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/25/2042	4/7/2042	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	2/25/2042	4/7/2042	30
Truck Loading on site - idling	Number of Vehicles	5	12	2/25/2042	4/7/2042	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	2/25/2042	4/7/2042	30
Deliveries on site - idling	Number of Vehicles	1		2/25/2042	4/7/2042	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	2/25/2042	4/7/2042	30
Cement Trucks - idling	Number of Vehicles	7		2/25/2042	4/7/2042	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	2/25/2042	4/7/2042	30
Excavation - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/8/2042	12/7/2042	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	4/8/2042	12/7/2042	174
Truck Loading Dust	Tons of material being loaded per day	220	Dirt	4/8/2042	12/7/2042	174
Truck Loading on site - idling	Number of Vehicles	11	20	4/8/2042	12/7/2042	174
Trucks Traveling on site	Number of Vehicles	11	Paved	4/8/2042	12/7/2042	174
Deliveries on site - idling	Number of Vehicles	0		4/8/2042	12/7/2042	174
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/8/2042	12/7/2042	174
Cement Trucks - idling	Number of Vehicles	0		4/8/2042	12/7/2042	174
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/8/2042	12/7/2042	174
Cast-in-place station box structure - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/7/2042	9/18/2043	205
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/7/2042	9/18/2043	205
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/7/2042	9/18/2043	205
Truck Loading on site - idling	Number of Vehicles	0	12	12/7/2042	9/18/2043	205
Trucks Traveling on site	Number of Vehicles	0	Paved	12/7/2042	9/18/2043	205
Deliveries on site - idling	Number of Vehicles	0		12/7/2042	9/18/2043	205
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/7/2042	9/18/2043	205
Cement Trucks - idling	Number of Vehicles	4		12/7/2042	9/18/2043	205
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	12/7/2042	9/18/2043	205
MEP and Architectural finish work - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/18/2043	2/22/2044	112
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/18/2043	2/22/2044	112
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/18/2043	2/22/2044	112
Truck Loading on site - idling	Number of Vehicles	0	12	9/18/2043	2/22/2044	112
Trucks Traveling on site	Number of Vehicles	0	Paved	9/18/2043	2/22/2044	112
Deliveries on site - idling	Number of Vehicles	4		9/18/2043	2/22/2044	112
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/18/2043	2/22/2044	112
Cement Trucks - idling	Number of Vehicles	0		9/18/2043	2/22/2044	112
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/18/2043	2/22/2044	112
Shoring - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/27/2044	11/7/2044	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/27/2044	11/7/2044	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/27/2044	11/7/2044	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/27/2044	11/7/2044	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/27/2044	11/7/2044	30
Deliveries on site - idling	Number of Vehicles	1		9/27/2044	11/7/2044	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/27/2044	11/7/2044	30
Cement Trucks - idling	Number of Vehicles	7		9/27/2044	11/7/2044	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/27/2044	11/7/2044	30

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
70	130	30	273000	16380	94	5	Soil
70	130	55	500500	37537.5	216	11	Rock
						11	Max

Decking -3 Weekends -Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2044	11/29/2044	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/8/2044	11/29/2044	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	11/8/2044	11/29/2044	9
Truck Loading on site - idling	Number of Vehicles	0	12	11/8/2044	11/29/2044	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/8/2044	11/29/2044	9
Deliveries on site - idling	Number of Vehicles	5		11/8/2044	11/29/2044	9
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	11/8/2044	11/29/2044	9
Cement Trucks - idling	Number of Vehicles	0		11/8/2044	11/29/2044	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2044	11/29/2044	9
Excavation - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/30/2044	9/22/2045	213
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/30/2044	9/22/2045	213
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	11/30/2044	9/22/2045	213
Truck Loading on site - idling	Number of Vehicles	14	20	11/30/2044	9/22/2045	213
Trucks Traveling on site	Number of Vehicles	14	Paved	11/30/2044	9/22/2045	213
Deliveries on site - idling	Number of Vehicles	0		11/30/2044	9/22/2045	213
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/30/2044	9/22/2045	213
Cement Trucks - idling	Number of Vehicles	0		11/30/2044	9/22/2045	213
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/30/2044	9/22/2045	213
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/22/2045	9/17/2046	257
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/22/2045	9/17/2046	257
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/22/2045	9/17/2046	257
Truck Loading on site - idling	Number of Vehicles	0	12	9/22/2045	9/17/2046	257
Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2045	9/17/2046	257
Deliveries on site - idling	Number of Vehicles	0		9/22/2045	9/17/2046	257
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/22/2045	9/17/2046	257
Cement Trucks - idling	Number of Vehicles	4		9/22/2045	9/17/2046	257
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	9/22/2045	9/17/2046	257
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/17/2046	3/25/2047	136
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/17/2046	3/25/2047	136
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/17/2046	3/25/2047	136
Truck Loading on site - idling	Number of Vehicles	0	12	9/17/2046	3/25/2047	136
Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2046	3/25/2047	136
Deliveries on site - idling	Number of Vehicles	4		9/17/2046	3/25/2047	136
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/17/2046	3/25/2047	136
Cement Trucks - idling	Number of Vehicles	0		9/17/2046	3/25/2047	136
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2046	3/25/2047	136
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/29/2048	3/29/2049	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/29/2048	3/29/2049	65
Truck Loading Dust	Tons of material being loaded per day	84	Dirt	12/29/2048	3/29/2049	65
Truck Loading on site - idling	Number of Vehicles	7	12	12/29/2048	3/29/2049	65
Trucks Traveling on site	Number of Vehicles	7	Paved	12/29/2048	3/29/2049	65
Deliveries on site - idling	Number of Vehicles	0		12/29/2048	3/29/2049	65
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/29/2048	3/29/2049	65
Cement Trucks - idling	Number of Vehicles	0		12/29/2048	3/29/2049	65
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/29/2048	3/29/2049	65
Decking removal - 3 weekends (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/13/2049	2/3/2049	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/13/2049	2/3/2049	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/13/2049	2/3/2049	9
Truck Loading on site - idling	Number of Vehicles	0	12	1/13/2049	2/3/2049	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/13/2049	2/3/2049	9
Deliveries on site - idling	Number of Vehicles	7		1/13/2049	2/3/2049	9
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	1/13/2049	2/3/2049	9
Cement Trucks - idling	Number of Vehicles	0		1/13/2049	2/3/2049	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/13/2049	2/3/2049	9

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
55	115	10	63250	3795	18	1	Soil
55	115	120	759000	56925	267	13	Rock
						13	Max

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
--	--	--	79787.5	4787.25	74	6

Miner Rd Footprint

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3)
70	130	85	773500

Pilgrimage Rd Footprint

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3
55	115	130	822250

Conventional Tunneling - Miner Rd to Franklin Pl																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/23/2044	3/6/2045	270	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/23/2044	3/6/2045	270	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	480	Dirt	2/23/2044	3/6/2045	270	26	1565	530.9292	1661808	124635.6	462	23			
Truck Loading on site - idling	Number of Vehicles	24	20	2/23/2044	3/6/2045	270										
Trucks Traveling on site	Number of Vehicles	24	Paved	2/23/2044	3/6/2045	270	End	3725								
Deliveries on site - idling	Number of Vehicles	17		2/23/2044	3/6/2045	270	Begin	2160								
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/23/2044	3/6/2045	270										
Cement Trucks - idling	Number of Vehicles	4		2/23/2044	3/6/2045	270										
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/23/2044	3/6/2045	270										
Conventional Tunneling - Station to North Double Crossover																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	7/8/2047	110	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/5/2047	7/8/2047	110	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	2/5/2047	7/8/2047	110	22	525	380.1327	399139.3	29935.45	272	14			
Truck Loading on site - idling	Number of Vehicles	14	20	2/5/2047	7/8/2047	110										
Trucks Traveling on site	Number of Vehicles	14	Paved	2/5/2047	7/8/2047	110	End	5335								
Deliveries on site - idling	Number of Vehicles	17		2/5/2047	7/8/2047	110	Begin	4810								
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/5/2047	7/8/2047	110										
Cement Trucks - idling	Number of Vehicles	4		2/5/2047	7/8/2047	110										
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/5/2047	7/8/2047	110										
Conventional Tunneling - North Double Crossover to North Shaft																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/13/2045	6/23/2045	75	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/13/2045	6/23/2045	75	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	240	Dirt	3/13/2045	6/23/2045	75	22	310	380.1327	235682.3	17676.17	236	12			
Truck Loading on site - idling	Number of Vehicles	12	20	3/13/2045	6/23/2045	75										
Trucks Traveling on site	Number of Vehicles	12	Paved	3/13/2045	6/23/2045	75	End	6140								
Deliveries on site - idling	Number of Vehicles	17		3/13/2045	6/23/2045	75	Begin	5830								
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/13/2045	6/23/2045	75										
Cement Trucks - idling	Number of Vehicles	4		3/13/2045	6/23/2045	75										
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	3/13/2045	6/23/2045	75										
SEM Construction - South Double Crossover																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	12/11/2045	250	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	12/27/2044	12/11/2045	250	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	440	Dirt	12/27/2044	12/11/2045	250	70	43	2364.048	1453890	109041.7	436	22			
Truck Loading on site - idling	Number of Vehicles	22	20	12/27/2044	12/11/2045	250										
Trucks Traveling on site	Number of Vehicles	22	Paved	12/27/2044	12/11/2045	250	End	4390								
Deliveries on site - idling	Number of Vehicles	17		12/27/2044	12/11/2045	250	Begin	3775								
Deliveries Traveling on site	Number of Vehicles	17	Paved	12/27/2044	12/11/2045	250										
Cement Trucks - idling	Number of Vehicles	0		12/27/2044	12/11/2045	250										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	12/11/2045	250										
SEM Construction - Station Structure																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/12/2045	2/4/2047	300	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	12/12/2045	2/4/2047	300	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	260	Dirt	12/12/2045	2/4/2047	300	70	43	2364.048	992900.4	74467.53	248	12			
Truck Loading on site - idling	Number of Vehicles	13	20	12/12/2045	2/4/2047	300										
Trucks Traveling on site	Number of Vehicles	13	Paved	12/12/2045	2/4/2047	300	End	4810								
Deliveries on site - idling	Number of Vehicles	17		12/12/2045	2/4/2047	300	Begin	4390								
Deliveries Traveling on site	Number of Vehicles	17	Paved	12/12/2045	2/4/2047	300										
Cement Trucks - idling	Number of Vehicles	0		12/12/2045	2/4/2047	300										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/12/2045	2/4/2047	300										
SEM Construction - North Double Crossover																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/9/2047	6/22/2048	250	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	7/9/2047	6/22/2048	250	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day			
Truck Loading Dust	Tons of material being loaded per day	360	Dirt	7/9/2047	6/22/2048	250	70	43	2364.048	1170204	87765.3	351	18			
Truck Loading on site - idling	Number of Vehicles	18	20	7/9/2047	6/22/2048	250										
Trucks Traveling on site	Number of Vehicles	18	Paved	7/9/2047	6/22/2048	250	End	5830								
Deliveries on site - idling	Number of Vehicles	17		7/9/2047	6/22/2048	250	Begin	5335								
Deliveries Traveling on site	Number of Vehicles	17	Paved	7/9/2047	6/22/2048	250										
Cement Trucks - idling	Number of Vehicles	0		7/9/2047	6/22/2048	250										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/9/2047	6/22/2048	250										

Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/7/2044	3/6/2045	86
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	11/7/2044	3/6/2045	86
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	11/7/2044	3/6/2045	86
Truck Loading on site - idling	Number of Vehicles	1	12	11/7/2044	3/6/2045	86
Trucks Traveling on site	Number of Vehicles	1	Paved	11/7/2044	3/6/2045	86
Deliveries on site - idling	Number of Vehicles	0		11/7/2044	3/6/2045	86
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/7/2044	3/6/2045	86
Cement Trucks - idling	Number of Vehicles	1		11/7/2044	3/6/2045	86
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	11/7/2044	3/6/2045	86
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/23/2048	5/3/2049	225
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/23/2048	5/3/2049	225
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/23/2048	5/3/2049	225
Truck Loading on site - idling	Number of Vehicles	0	12	6/23/2048	5/3/2049	225
Trucks Traveling on site	Number of Vehicles	0	Paved	6/23/2048	5/3/2049	225
Deliveries on site - idling	Number of Vehicles	7		6/23/2048	5/3/2049	225
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/23/2048	5/3/2049	225
Cement Trucks - idling	Number of Vehicles	0		6/23/2048	5/3/2049	225
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/23/2048	5/3/2049	225
Demolition - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/26/2047	6/9/2047	54
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	3/26/2047	6/9/2047	54
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	3/26/2047	6/9/2047	54
Truck Loading on site - idling	Number of Vehicles	4	12	3/26/2047	6/9/2047	54
Trucks Traveling on site	Number of Vehicles	4	Paved	3/26/2047	6/9/2047	54
Deliveries on site - idling	Number of Vehicles	0		3/26/2047	6/9/2047	54
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/26/2047	6/9/2047	54
Cement Trucks - idling	Number of Vehicles	0		3/26/2047	6/9/2047	54
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/26/2047	6/9/2047	54
Utility Relocation & Site Praparaton - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/9/2047	9/23/2047	76
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/9/2047	9/23/2047	76
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/9/2047	9/23/2047	76
Truck Loading on site - idling	Number of Vehicles	0	12	6/9/2047	9/23/2047	76
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/9/2047	9/23/2047	76
Deliveries on site - idling	Number of Vehicles	4		6/9/2047	9/23/2047	76
Deliveries Traveling on site	Number of Vehicles	4	Paved	6/9/2047	9/23/2047	76
Cement Trucks - idling	Number of Vehicles	0		6/9/2047	9/23/2047	76
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/9/2047	9/23/2047	76
Shoring - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/24/2047	11/4/2047	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/24/2047	11/4/2047	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/24/2047	11/4/2047	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/24/2047	11/4/2047	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/24/2047	11/4/2047	30
Deliveries on site - idling	Number of Vehicles	1		9/24/2047	11/4/2047	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/24/2047	11/4/2047	30
Cement Trucks - idling	Number of Vehicles	7		9/24/2047	11/4/2047	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/24/2047	11/4/2047	30
Excavation - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/5/2047	3/23/2048	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/5/2047	3/23/2048	100
Truck Loading Dust	Tons of material being loaded per day	660	Dirt	11/5/2047	3/23/2048	100
Truck Loading on site - idling	Number of Vehicles	33	20	11/5/2047	3/23/2048	100
Trucks Traveling on site	Number of Vehicles	33	Paved	11/5/2047	3/23/2048	100
Deliveries on site - idling	Number of Vehicles	0		11/5/2047	3/23/2048	100
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/5/2047	3/23/2048	100
Cement Trucks - idling	Number of Vehicles	0		11/5/2047	3/23/2048	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/5/2047	3/23/2048	100

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
12	60	12	8640	518.4	6	1	# Assumed 3 cross-passa

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
0.4132224	17999.9677	2	35999.94	2339.996	43	4

West Entrance Footprint

Width (ft)	Length (ft)	Area (ft2)	Area (acres)
90	200	18000	0.413222

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
90	200	30	540000	32400	324	16	Soil
90	200	40	864000	64800	648	32	Rock
						32	Max

Cast-in-place station box structure - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/24/2048	9/21/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/24/2048	9/21/2048	130
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/24/2048	9/21/2048	130
Truck Loading on site - idling	Number of Vehicles	0	12	3/24/2048	9/21/2048	130
Trucks Traveling on site	Number of Vehicles	0	Paved	3/24/2048	9/21/2048	130
Deliveries on site - idling	Number of Vehicles	0		3/24/2048	9/21/2048	130
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/24/2048	9/21/2048	130
Cement Trucks - idling	Number of Vehicles	4		3/24/2048	9/21/2048	130
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	3/24/2048	9/21/2048	130
MEP and Architectural finish work - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/22/2048	2/8/2049	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/22/2048	2/8/2049	100
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/22/2048	2/8/2049	100
Truck Loading on site - idling	Number of Vehicles	0	12	9/22/2048	2/8/2049	100
Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2048	2/8/2049	100
Deliveries on site - idling	Number of Vehicles	4		9/22/2048	2/8/2049	100
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/22/2048	2/8/2049	100
Cement Trucks - idling	Number of Vehicles	0		9/22/2048	2/8/2049	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2048	2/8/2049	100
Backfill - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/9/2049	3/17/2049	27
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/9/2049	3/17/2049	27
Truck Loading Dust	Tons of material being loaded per day	804	Dirt	2/9/2049	3/17/2049	27
Truck Loading on site - idling	Number of Vehicles	67	12	2/9/2049	3/17/2049	27
Trucks Traveling on site	Number of Vehicles	67	Paved	2/9/2049	3/17/2049	27
Deliveries on site - idling	Number of Vehicles	0		2/9/2049	3/17/2049	27
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/9/2049	3/17/2049	27
Cement Trucks - idling	Number of Vehicles	0		2/9/2049	3/17/2049	27
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/9/2049	3/17/2049	27
Surface restoration - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/18/2049	5/31/2049	53
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/18/2049	5/31/2049	53
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/18/2049	5/31/2049	53
Truck Loading on site - idling	Number of Vehicles	0	12	3/18/2049	5/31/2049	53
Trucks Traveling on site	Number of Vehicles	0	Paved	3/18/2049	5/31/2049	53
Deliveries on site - idling	Number of Vehicles	6		3/18/2049	5/31/2049	53
Deliveries Traveling on site	Number of Vehicles	6	Paved	3/18/2049	5/31/2049	53
Cement Trucks - idling	Number of Vehicles	0		3/18/2049	5/31/2049	53
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/18/2049	5/31/2049	53
Cast-in-place station cavern structure - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	2/3/2048	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading on site - idling	Number of Vehicles	0	12	2/5/2047	2/3/2048	260
Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Deliveries on site - idling	Number of Vehicles	0		2/5/2047	2/3/2048	260
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Cement Trucks - idling	Number of Vehicles	4		2/5/2047	2/3/2048	260
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/5/2047	2/3/2048	260
MEP and Architectural finish work - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/4/2048	3/29/2049	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/4/2048	3/29/2049	300
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/4/2048	3/29/2049	300
Truck Loading on site - idling	Number of Vehicles	0	12	2/4/2048	3/29/2049	300
Trucks Traveling on site	Number of Vehicles	0	Paved	2/4/2048	3/29/2049	300
Deliveries on site - idling	Number of Vehicles	4		2/4/2048	3/29/2049	300
Deliveries Traveling on site	Number of Vehicles	4	Paved	2/4/2048	3/29/2049	300
Cement Trucks - idling	Number of Vehicles	0		2/4/2048	3/29/2049	300
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/4/2048	3/29/2049	300

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
90	200	20	360000	21600	800	67

Hollywood Bowl Station and Crossovers	399 wks	10/8/2041	5/31/2049
Shaft Excavation	285 wks	10/8/2041	3/25/2047
Demolition, utility relocation, and site preparation	20 wks	10/8/2041	2/24/2042
Construct excavation structure (Miner Rd)	104 wks	2/25/2042	2/22/2044
Construct excavation structure (Pilgrimage Bridge)	130 wks	9/27/2044	3/25/2047
Conventional Tunneling	176 wks	2/23/2044	7/8/2047
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	54 wks	2/23/2044	3/6/2045
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	22 wks	2/5/2047	7/8/2047
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	15 wks	3/26/2047	7/8/2047
SEM Construction (Staggered Crews)	182 wks	12/27/2044	6/22/2048
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	50 wks	12/27/2044	12/11/2045
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	60 wks	12/12/2045	2/4/2047
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	50 wks	7/9/2047	6/22/2048
Trackwork	45 wks	6/23/2048	5/3/2049
Trackwork, track systems, and structural concrete (HH to HB)	45 wks	6/23/2048	5/3/2049
Station	112 wks	2/5/2047	3/29/2049
Cast-in-place station/crossover structure	52 wks	2/5/2047	2/3/2048
MEP and Architectural finish work	60 wks	2/4/2048	3/29/2049
West Entrance	114 wks	3/26/2047	5/31/2049
Demolition, utility relocation, and site preparation	26 wks	3/26/2047	9/23/2047
Shoring and excavation	26 wks	9/24/2047	3/23/2048
Cast-in-place station box structure	26 wks	3/24/2048	9/21/2048
MEP and Architectural finish work	20 wks	9/22/2048	2/8/2049
Backfill, exterior entry, and surface restoration	16 wks	2/9/2049	5/31/2049
Alignment Start-up	104 wks	11/3/2048	10/31/2050
Systems testing and commissioning	104 wks	11/3/2048	10/31/2050
Milestone: Early Revenue Service Date - Section 3	0 wks	10/31/2050	10/31/2050

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	11/17/2043	11/11/2047
Demolition, grading, and site preparation	12	11/17/2043	11/14/2044
Facility structures, trackwork, and systems	36	11/15/2044	11/11/2047

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ. (Calculated)	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility											
Crane-500	Tier 4	275	Diesel	2	0.5	8	4	8	11/17/2043	11/14/2044	260
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	11/17/2043	11/14/2044	260
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.5	8	4	8	11/17/2043	11/14/2044	260
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	11/17/2043	11/14/2044	260
Bobcat-175	Fleet Average	125	Diesel	2	0.25	8	2	4	11/17/2043	11/14/2044	260
Trackwork and systems	47	6/13/2045	4/12/2049								
Crane-500	Tier 4	285	Diesel	2	0.10	8	1	2	11/15/2044	11/11/2047	780
Excavator-120	Fleet Average	54	Diesel	3	0.5	8	4	12	11/15/2044	11/11/2047	780
Telehandler-175	Tier 4	142	Diesel	3	0.25	8	2	6	11/15/2044	11/11/2047	780
Other Construction Equipment-50	Fleet Average	50	Electric	3	1.00	8	8	24	11/15/2044	11/11/2047	780
Welding Plant - 500	Tier 4	380	Diesel	3	0.70	8	6	17	11/15/2044	11/11/2047	780

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	11/17/2043	11/11/2047
Demolition, grading, and site preparation	12	11/17/2043	11/14/2044
Facility structures, trackwork, and systems	36	11/15/2044	11/11/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/17/2043	11/14/2044	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate	11/17/2043	11/14/2044	260
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate	11/17/2043	11/14/2044	260
Truck Loading on site - idling	Number of Vehicles	46	12	11/17/2043	11/14/2044	260
Trucks Traveling on site	Number of Vehicles	46	Paved	11/17/2043	11/14/2044	260
Deliveries on site - idling	Number of Vehicles	0		11/17/2043	11/14/2044	260
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	11/17/2043	11/14/2044	260
Cement Trucks - idling	Number of Vehicles	0		11/17/2043	11/14/2044	260
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/17/2043	11/14/2044	260
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/15/2044	11/11/2047	780
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	11/15/2044	11/11/2047	780
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	11/15/2044	11/11/2047	780
Truck Loading on site - idling	Number of Vehicles	2	12	11/15/2044	11/11/2047	780
Trucks Traveling on site	Number of Vehicles	2	Paved	11/15/2044	11/11/2047	780
Deliveries on site - idling	Number of Vehicles	7		11/15/2044	11/11/2047	780
Deliveries Traveling on site	Number of Vehicles	7	Paved	11/15/2044	11/11/2047	780
Cement Trucks - idling	Number of Vehicles	0		11/15/2044	11/11/2047	780
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/15/2044	11/11/2047	780

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	'olume (ft^3	Weight (ton	Tons/day	Trucks/day
25	1089000	2	2178000	141570	545	45

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047		
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	410	# TBM Disassemby accounted in this site
Shoring and excavation	19	3/4/2042	9/28/2043	410	
Cast-in-place station box structure	19	12/8/2043	7/3/2045	410	
MEP and Architectural finish work	17	7/4/2045	11/19/2046	360	
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047	400	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	6/12/2041	87
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	3/4/2042	11/29/2042	194
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	10/30/2042	1/22/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	2	0.25	8	2	4	10/30/2042	1/22/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Boom Truck-250	Fleet Average	200	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Other Construction Equipment-120	Fleet Average	100	Electric	4	1.00	16	16	64	1/22/2043	9/28/2043	178
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/8/2043	2/1/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/8/2043	7/3/2045	410
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/4/2045	11/19/2046	360
Backfill											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Off-Highway Truck-175	Fleet Average	156	Diesel	2	1.00	8	8	16	3/17/2046	6/9/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Roller-250	Fleet Average	210	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Off-Highway Truck-250	Fleet Average	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047		
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	410	# TBM Disassemby accounted in this site
Shoring and excavation	19	3/4/2042	9/28/2043	410	
Cast-in-place station box structure	19	12/8/2043	7/3/2045	410	
MEP and Architectural finish work	17	7/4/2045	11/19/2046	360	
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047	400	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	6/12/2041	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	2/12/2041	6/12/2041	87
Truck Loading Dust	Tons of material being loaded per day	132	Aggregate	2/12/2041	6/12/2041	87
Truck Loading on site - idling	Number of Vehicles	11	12	2/12/2041	6/12/2041	87
Trucks Traveling on site	Number of Vehicles	11	Paved	2/12/2041	6/12/2041	87
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	6/12/2041	87
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	6/12/2041	87
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	6/12/2041	87
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/28/2041	9/8/2042	335
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/28/2041	9/8/2042	335
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/28/2041	9/8/2042	335
Truck Loading on site - idling	Number of Vehicles	0	12	5/28/2041	9/8/2042	335
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/28/2041	9/8/2042	335
Deliveries on site - idling	Number of Vehicles	4		5/28/2041	9/8/2042	335
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/28/2041	9/8/2042	335
Cement Trucks - idling	Number of Vehicles	0		5/28/2041	9/8/2042	335
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/28/2041	9/8/2042	335
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/4/2042	11/29/2042	194
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/4/2042	11/29/2042	194
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	3/4/2042	11/29/2042	194
Truck Loading on site - idling	Number of Vehicles	20	12	3/4/2042	11/29/2042	194
Trucks Traveling on site	Number of Vehicles	20	Unpaved	3/4/2042	11/29/2042	194
Deliveries on site - idling	Number of Vehicles	4		3/4/2042	11/29/2042	194
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	3/4/2042	11/29/2042	194
Cement Trucks - idling	Number of Vehicles	28		3/4/2042	11/29/2042	194
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	3/4/2042	11/29/2042	194
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/30/2042	1/22/2043	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/30/2042	1/22/2043	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/30/2042	1/22/2043	36
Truck Loading on site - idling	Number of Vehicles	0	12	10/30/2042	1/22/2043	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/30/2042	1/22/2043	36
Deliveries on site - idling	Number of Vehicles	13		10/30/2042	1/22/2043	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	10/30/2042	1/22/2043	36
Cement Trucks - idling	Number of Vehicles	0		10/30/2042	1/22/2043	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/30/2042	1/22/2043	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/22/2043	9/28/2043	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	32	Dirt	1/22/2043	9/28/2043	178
Truck Loading Dust	Tons of material being loaded per day	6,540	Dirt	1/22/2043	9/28/2043	178
Truck Loading on site - idling	Number of Vehicles	327	20	1/22/2043	9/28/2043	178
Trucks Traveling on site	Number of Vehicles	327	Paved	1/22/2043	9/28/2043	178
Deliveries on site - idling	Number of Vehicles	0		1/22/2043	9/28/2043	178
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/22/2043	9/28/2043	178
Cement Trucks - idling	Number of Vehicles	0		1/22/2043	9/28/2043	178
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/22/2043	9/28/2043	178

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
2	87120	2	174240	11325.6	130	11

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1140	95	9855300	591318	3322	166
70	870	120	9500400	570024	3202	160

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2043	2/1/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	12/8/2043	2/1/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	2/1/2044	40
Deliveries on site - idling	Number of Vehicles	1		12/8/2043	2/1/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	12/8/2043	2/1/2044	40
Cement Trucks - idling	Number of Vehicles	0		12/8/2043	2/1/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	2/1/2044	40
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2043	7/3/2045	410
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading on site - idling	Number of Vehicles	0	12	12/8/2043	7/3/2045	410
Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2043	7/3/2045	410
Deliveries on site - idling	Number of Vehicles	0		12/8/2043	7/3/2045	410
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/8/2043	7/3/2045	410
Cement Trucks - idling	Number of Vehicles	8		12/8/2043	7/3/2045	410
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/8/2043	7/3/2045	410
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/4/2045	11/19/2046	360
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading on site - idling	Number of Vehicles	0	12	7/4/2045	11/19/2046	360
Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	11/19/2046	360
Deliveries on site - idling	Number of Vehicles	10		7/4/2045	11/19/2046	360
Deliveries Traveling on site	Number of Vehicles	10	Paved	7/4/2045	11/19/2046	360
Cement Trucks - idling	Number of Vehicles	0		7/4/2045	11/19/2046	360
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	11/19/2046	360
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/4/2045	3/31/2046	194
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/4/2045	3/31/2046	194
Truck Loading Dust	Tons of material being loaded per day	1,752	Dirt	7/4/2045	3/31/2046	194
Truck Loading on site - idling	Number of Vehicles	146	12	7/4/2045	3/31/2046	194
Trucks Traveling on site	Number of Vehicles	146	Paved	7/4/2045	3/31/2046	194
Deliveries on site - idling	Number of Vehicles	0		7/4/2045	3/31/2046	194
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/4/2045	3/31/2046	194
Cement Trucks - idling	Number of Vehicles	0		7/4/2045	3/31/2046	194
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/4/2045	3/31/2046	194
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/17/2046	6/9/2046	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading on site - idling	Number of Vehicles	0	12	3/17/2046	6/9/2046	36
Trucks Traveling on site	Number of Vehicles	0	Paved	3/17/2046	6/9/2046	36
Deliveries on site - idling	Number of Vehicles	13		3/17/2046	6/9/2046	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	3/17/2046	6/9/2046	36
Cement Trucks - idling	Number of Vehicles	0		3/17/2046	6/9/2046	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/17/2046	6/9/2046	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/31/2046	1/14/2047	206
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	6	Dirt	3/31/2046	1/14/2047	206
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/31/2046	1/14/2047	206
Truck Loading on site - idling	Number of Vehicles	0	12	3/31/2046	1/14/2047	206
Trucks Traveling on site	Number of Vehicles	0	Paved	3/31/2046	1/14/2047	206
Deliveries on site - idling	Number of Vehicles	4		3/31/2046	1/14/2047	206
Deliveries Traveling on site	Number of Vehicles	4	Paved	3/31/2046	1/14/2047	206
Cement Trucks - idling	Number of Vehicles	0		3/31/2046	1/14/2047	206
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/31/2046	1/14/2047	206

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	1140	25	1995000	119700	1747	146
70	870	60	3654000	219240		

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043	
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20
TBM Assembly	2	2/17/2043	4/13/2043	40
Tunnel Boring	24	4/14/2043	4/17/2045	525
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	4/14/2043	12/7/2043	170
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044	40
TBM Reassembly	2	2/2/2044	3/28/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	13	3/29/2044	4/17/2045	275
Crosspassage	26	2/2/2044	4/2/2046	565
Crosspassage excavations (LBSM to HH)	4	*2/2/2044*	*6/6/2044*	90
Crosspassage structural concrete lining (LBSM to HH)	4	*4/26/2044*	*8/29/2044*	90
Crosspassage excavations (LBSM to FW)	7	*4/18/2045*	*11/13/2045*	150
Crosspassage structural concrete lining (LBSM to FW)	7	*9/5/2045*	*4/2/2046*	150
Trackwork	45	8/30/2044	5/11/2048	965
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*8/30/2044*	*8/28/2045*	260
Trackwork, track systems, and structural concrete (LBSM to FW)	26	*4/3/2046*	*5/11/2048*	550
La Brea/Santa Monica Station	87	*4/9/2041*	*6/1/2048*	1865
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275
Shoring and excavation	17	12/3/2041	4/13/2043	355
Place concrete slab for station box	2	4/26/2044	6/20/2044	40
Cast-in-place station box structure	12	5/8/2046	5/6/2047	260
MEP and Architectural finish work	11	5/7/2047	4/6/2048	240
Backfill, exterior entry, and surface restoration	10	7/30/2047	6/1/2048	220

assume that task "CIP station box structure starts two months before, originally 5/8/2046

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	4/9/2041	9/6/2041	109
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178

Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/3/2041	3/3/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/3/2041	3/3/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/1/2042	3/22/2042	21
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/1/2042	3/22/2042	21
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/22/2042	4/13/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/17/2043	4/13/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/17/2043	4/13/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/17/2043	4/13/2043	40

Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	4/14/2043	12/7/2043	170
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	4/14/2043	12/7/2043	170
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	4/14/2043	12/7/2043	170
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	4/14/2043	12/7/2043	170
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	4/14/2043	12/7/2043	170
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	4/14/2043	12/7/2043	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	4/14/2043	12/7/2043	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/2/2044	3/28/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/2/2044	3/28/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/2/2044	3/28/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/29/2044	4/17/2045	275
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	3/29/2044	4/17/2045	275
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	3/29/2044	4/17/2045	275
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	3/29/2044	4/17/2045	275
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/29/2044	4/17/2045	275
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	3/29/2044	4/17/2045	275
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	3/29/2044	4/17/2045	275
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	3/29/2044	4/17/2045	275
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	3/29/2044	4/17/2045	275
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	3/29/2044	4/17/2045	275
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	3/29/2044	4/17/2045	275
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	3/29/2044	4/17/2045	275
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	3/29/2044	4/17/2045	275
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	3/29/2044	4/17/2045	275
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/29/2044	4/17/2045	275
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/29/2044	4/17/2045	275

Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	2/2/2044	4/2/2046	565
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	2/2/2044	4/2/2046	565
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	2/2/2044	4/2/2046	565
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	2/2/2044	4/2/2046	565
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	2/2/2044	4/2/2046	565
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	2/2/2044	4/2/2046	565
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	2/2/2044	4/2/2046	565
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	2/2/2044	4/2/2046	565
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	2/2/2044	4/2/2046	565
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	2/2/2044	4/2/2046	565
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	2/2/2044	4/2/2046	565
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	8/30/2044	5/11/2048	965
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	8/30/2044	5/11/2048	965
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	8/30/2044	5/11/2048	965
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	8/30/2044	5/11/2048	965
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/8/2046	5/6/2047	303
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/8/2046	5/6/2047	303
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/8/2046	5/6/2047	303
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/8/2046	5/6/2047	303
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/8/2046	5/6/2047	303
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/8/2046	5/6/2047	303
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	5/7/2047	4/6/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	5/7/2047	4/6/2048	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	5/7/2047	4/6/2048	240
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/7/2047	4/6/2048	240
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	7/30/2047	1/6/2048	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	7/30/2047	1/6/2048	115
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	7/30/2047	1/6/2048	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	7/30/2047	1/6/2048	115
Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	12/23/2047	2/10/2048	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/23/2047	2/10/2048	21
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	12/23/2047	2/10/2048	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	12/23/2047	2/10/2048	21
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	12/23/2047	2/10/2048	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	1/6/2048	6/1/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	1/6/2048	6/1/2048	106
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	1/6/2048	6/1/2048	106
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	1/6/2048	6/1/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043		
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20	
TBM Assembly	2	2/17/2043	4/13/2043	40	
Tunnel Boring	24	4/14/2043	4/17/2045		
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	4/14/2043	12/7/2043	170	
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044		# this task should be accounted for in Hollywood/Highland and Fairfax/Wilshire?
TBM Reassembly	2	2/2/2044	3/28/2044	40	
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	13	3/29/2044	4/17/2045	275	
Crosspassage	26	2/2/2044	4/2/2046	565	
Crosspassage excavations (LBSM to HH)	4	*2/2/2044*	*6/6/2044*		
Crosspassage structural concrete lining (LBSM to HH)	4	*4/26/2044*	*8/29/2044*		
Crosspassage excavations (LBSM to FW)	7	*4/18/2045*	*11/13/2045*		
Crosspassage structural concrete lining (LBSM to FW)	7	*9/5/2045*	*4/2/2046*		
Trackwork	45	8/30/2044	5/11/2048	965	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*8/30/2044*	*8/28/2045*		
Trackwork, track systems, and structural concrete (LBSM to FW)	26	*4/3/2046*	*5/11/2048*		
La Brea/Santa Monica Station	87	4/9/2041	6/1/2048		
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275	
Shoring and excavation	17	12/3/2041	4/13/2043	355	
Place concrete slab for station box	2	4/26/2044	6/20/2044	40	# assume that task "CIP station box structure starts two months before, originally 5/8/2046
Cast-in-place station box structure	12	5/8/2046	5/6/2047	260	
MEP and Architectural finish work	11	5/7/2047	4/6/2048	240	
Backfill, exterior entry, and surface restoration	10	7/30/2047	6/1/2048	220	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/9/2041	9/6/2041	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/9/2041	9/6/2041	109
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	4/9/2041	9/6/2041	109
Truck Loading on site - idling	Number of Vehicles	13	12	4/9/2041	9/6/2041	109
Trucks Traveling on site	Number of Vehicles	13	Paved	4/9/2041	9/6/2041	109
Deliveries on site - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Cement Trucks - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/22/2041	4/28/2042	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/22/2041	4/28/2042	178
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/22/2041	4/28/2042	178
Truck Loading on site - idling	Number of Vehicles	0	12	8/22/2041	4/28/2042	178
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Deliveries on site - idling	Number of Vehicles	4		8/22/2041	4/28/2042	178
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/22/2041	4/28/2042	178
Cement Trucks - idling	Number of Vehicles	0		8/22/2041	4/28/2042	178
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/3/2041	3/3/2042	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/3/2041	3/3/2042	65
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/3/2041	3/3/2042	65
Truck Loading on site - idling	Number of Vehicles	5	12	12/3/2041	3/3/2042	65
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/3/2041	3/3/2042	65
Deliveries on site - idling	Number of Vehicles	1		12/3/2041	3/3/2042	65
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/3/2041	3/3/2042	65
Cement Trucks - idling	Number of Vehicles	7		12/3/2041	3/3/2042	65
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/3/2041	3/3/2042	65

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
3	130680	2	261360	16988.4	156	13

Decking - 7 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/1/2042	3/22/2042	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/1/2042	3/22/2042	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/1/2042	3/22/2042	21
Truck Loading on site - idling	Number of Vehicles	0	12	2/1/2042	3/22/2042	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/1/2042	3/22/2042	21
Deliveries on site - idling	Number of Vehicles	13		2/1/2042	3/22/2042	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/1/2042	3/22/2042	21
Cement Trucks - idling	Number of Vehicles	0		2/1/2042	3/22/2042	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/1/2042	3/22/2042	21
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/22/2042	4/13/2043	276
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	3/22/2042	4/13/2043	276
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	3/22/2042	4/13/2043	276
Truck Loading on site - idling	Number of Vehicles	30	20	3/22/2042	4/13/2043	276
Trucks Traveling on site	Number of Vehicles	30	Paved	3/22/2042	4/13/2043	276
Deliveries on site - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
Cement Trucks - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/17/2043	4/13/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/17/2043	4/13/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/17/2043	4/13/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	2/17/2043	4/13/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40
Deliveries on site - idling	Number of Vehicles	2		2/17/2043	4/13/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/17/2043	4/13/2043	40
Cement Trucks - idling	Number of Vehicles	0		2/17/2043	4/13/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/14/2043	12/7/2043	170
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	4/14/2043	12/7/2043	170
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt	4/14/2043	12/7/2043	170
Truck Loading on site - idling	Number of Vehicles	75	20	4/14/2043	12/7/2043	170
Trucks Traveling on site	Number of Vehicles	75	Paved	4/14/2043	12/7/2043	170
Deliveries on site - idling	Number of Vehicles	17		4/14/2043	12/7/2043	170
Deliveries Traveling on site	Number of Vehicles	17	Paved	4/14/2043	12/7/2043	170
Cement Trucks - idling	Number of Vehicles	0		4/14/2043	12/7/2043	170
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/14/2043	12/7/2043	170
TBM Reassembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	3/28/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/2/2044	3/28/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/2/2044	3/28/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	2/2/2044	3/28/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40
Deliveries on site - idling	Number of Vehicles	2		2/2/2044	3/28/2044	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/2/2044	3/28/2044	40
Cement Trucks - idling	Number of Vehicles	0		2/2/2044	3/28/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	70	2707250	162435	589	29

Begin	35450	olume (yd^	100,269
End	35875	x 1.3	130,349

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	5545	380.1327	4215672	252940.3	1488	74

End	41420	olume (yd^	156,136
Begin	35875	x 1.3	202,977

20595	41190

Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/29/2044	4/17/2045	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/29/2044	4/17/2045	275
Truck Loading Dust	Tons of material being loaded per day	2,500	Dirt	3/29/2044	4/17/2045	275
Truck Loading on site - idling	Number of Vehicles	125	20	3/29/2044	4/17/2045	275
Trucks Traveling on site	Number of Vehicles	125	Paved	3/29/2044	4/17/2045	275
Deliveries on site - idling	Number of Vehicles	17		3/29/2044	4/17/2045	275
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/29/2044	4/17/2045	275
Cement Trucks - idling	Number of Vehicles	0		3/29/2044	4/17/2045	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/29/2044	4/17/2045	275
Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	4/2/2046	565
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	2/2/2044	4/2/2046	565
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	2/2/2044	4/2/2046	565
Truck Loading on site - idling	Number of Vehicles	1	12	2/2/2044	4/2/2046	565
Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	4/2/2046	565
Deliveries on site - idling	Number of Vehicles	0		2/2/2044	4/2/2046	565
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/2/2044	4/2/2046	565
Cement Trucks - idling	Number of Vehicles	1		2/2/2044	4/2/2046	565
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	4/2/2046	565
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/30/2044	5/11/2048	965
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/30/2044	5/11/2048	965
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/30/2044	5/11/2048	965
Truck Loading on site - idling	Number of Vehicles	0	12	8/30/2044	5/11/2048	965
Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	5/11/2048	965
Deliveries on site - idling	Number of Vehicles	7		8/30/2044	5/11/2048	965
Deliveries Traveling on site	Number of Vehicles	7	Paved	8/30/2044	5/11/2048	965
Cement Trucks - idling	Number of Vehicles	0		8/30/2044	5/11/2048	965
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	5/11/2048	965
Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/8/2046	5/6/2047	303
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/8/2046	5/6/2047	303
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/8/2046	5/6/2047	303
Truck Loading on site - idling	Number of Vehicles	0	12	3/8/2046	5/6/2047	303
Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2046	5/6/2047	303
Deliveries on site - idling	Number of Vehicles	0		3/8/2046	5/6/2047	303
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/8/2046	5/6/2047	303
Cement Trucks - idling	Number of Vehicles	8		3/8/2046	5/6/2047	303
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	3/8/2046	5/6/2047	303
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/7/2047	4/6/2048	240
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/7/2047	4/6/2048	240
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/7/2047	4/6/2048	240
Truck Loading on site - idling	Number of Vehicles	0	12	5/7/2047	4/6/2048	240
Trucks Traveling on site	Number of Vehicles	0	Paved	5/7/2047	4/6/2048	240
Deliveries on site - idling	Number of Vehicles	10		5/7/2047	4/6/2048	240
Deliveries Traveling on site	Number of Vehicles	10	Paved	5/7/2047	4/6/2048	240
Cement Trucks - idling	Number of Vehicles	0		5/7/2047	4/6/2048	240
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/7/2047	4/6/2048	240
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/30/2047	1/6/2048	115
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/30/2047	1/6/2048	115
Truck Loading Dust	Tons of material being loaded per day	408	Dirt	7/30/2047	1/6/2048	115
Truck Loading on site - idling	Number of Vehicles	34	12	7/30/2047	1/6/2048	115
Trucks Traveling on site	Number of Vehicles	34	Paved	7/30/2047	1/6/2048	115
Deliveries on site - idling	Number of Vehicles	0		7/30/2047	1/6/2048	115
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/30/2047	1/6/2048	115
Cement Trucks - idling	Number of Vehicles	0		7/30/2047	1/6/2048	115
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/30/2047	1/6/2048	115

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	15050	380.1327	11441995	686519.7	2496	125

End	20400	olume (yd^	423,778
Begin	35450	x 1.3	550,911
Stations	0		

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
12	320	12	46080	2764.8	5	0

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	20	773500	46410	404	34

K Line Northern Extension
Construction Data

Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/23/2047	2/10/2048	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/23/2047	2/10/2048	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	12/23/2047	2/10/2048	21
Truck Loading on site - idling	Number of Vehicles	0	12	12/23/2047	2/10/2048	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/23/2047	2/10/2048	21
Deliveries on site - idling	Number of Vehicles	13		12/23/2047	2/10/2048	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	12/23/2047	2/10/2048	21
Cement Trucks - idling	Number of Vehicles	0		12/23/2047	2/10/2048	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/23/2047	2/10/2048	21
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/6/2048	6/1/2048	106
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/6/2048	6/1/2048	106
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/6/2048	6/1/2048	106
Truck Loading on site - idling	Number of Vehicles	0	12	1/6/2048	6/1/2048	106
Trucks Traveling on site	Number of Vehicles	0	Paved	1/6/2048	6/1/2048	106
Deliveries on site - idling	Number of Vehicles	6		1/6/2048	6/1/2048	106
Deliveries Traveling on site	Number of Vehicles	6	Paved	1/6/2048	6/1/2048	106
Cement Trucks - idling	Number of Vehicles	0		1/6/2048	6/1/2048	106
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/6/2048	6/1/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	71	11/4/2042	9/14/2048	
Demolition, utility relocation, and site preparation	15	11/4/2042	1/25/2044	320
Shoring and excavation	15	8/11/2043	10/31/2044	320
Cast-in-place connection structure	15	4/3/2046	6/24/2047	320
MEP and Architectural finish work	13	6/25/2047	7/20/2048	280
Backfill, exterior entry, and surface restoration	15	6/25/2047	9/14/2048	320

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	11/4/2042	5/8/2043	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	11/4/2042	5/8/2043	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	11/4/2042	5/8/2043	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	4/24/2043	1/25/2044	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	4/24/2043	1/25/2044	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	4/24/2043	1/25/2044	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	4/24/2043	1/25/2044	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	4/24/2043	1/25/2044	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	8/11/2043	12/9/2043	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	8/11/2043	12/9/2043	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	8/11/2043	12/9/2043	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	8/11/2043	12/9/2043	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	8/11/2043	12/9/2043	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	8/11/2043	12/9/2043	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	8/11/2043	12/9/2043	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	8/11/2043	12/9/2043	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	8/11/2043	12/9/2043	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/9/2043	2/1/2044	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	11/9/2043	2/1/2044	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	11/9/2043	2/1/2044	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	11/9/2043	2/1/2044	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	11/9/2043	2/1/2044	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/1/2044	10/31/2044	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/1/2044	10/31/2044	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/1/2044	10/31/2044	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/1/2044	10/31/2044	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/1/2044	10/31/2044	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/1/2044	10/31/2044	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/1/2044	10/31/2044	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/1/2044	10/31/2044	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/1/2044	10/31/2044	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/3/2046	6/24/2047	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	4/3/2046	6/24/2047	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	4/3/2046	6/24/2047	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/3/2046	6/24/2047	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	4/3/2046	6/24/2047	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	4/3/2046	6/24/2047	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	6/25/2047	7/20/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	6/25/2047	7/20/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	6/25/2047	7/20/2048	280
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	6/25/2047	7/20/2048	280
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	6/25/2047	1/1/2048	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/25/2047	1/1/2048	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	6/25/2047	1/1/2048	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	6/25/2047	1/1/2048	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	12/18/2047	3/11/2048	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/18/2047	3/11/2048	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	12/18/2047	3/11/2048	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	12/18/2047	3/11/2048	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	12/18/2047	3/11/2048	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/1/2048	9/14/2048	184
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	1/1/2048	9/14/2048	184
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	1/1/2048	9/14/2048	184
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	1/1/2048	9/14/2048	184

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	71	11/4/2042	9/14/2048	
Demolition, utility relocation, and site preparation	15	11/4/2042	1/25/2044	320
Shoring and excavation	15	8/11/2043	10/31/2044	320
Cast-in-place connection structure	15	4/3/2046	6/24/2047	320
MEP and Architectural finish work	13	6/25/2047	7/20/2048	280
Backfill, exterior entry, and surface restoration	15	6/25/2047	9/14/2048	320

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/4/2042	5/8/2043	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	11/4/2042	5/8/2043	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	11/4/2042	5/8/2043	134
Truck Loading on site - idling	Number of Vehicles	4	12	11/4/2042	5/8/2043	134
Trucks Traveling on site	Number of Vehicles	4	Paved	11/4/2042	5/8/2043	134
Deliveries on site - idling	Number of Vehicles	0		11/4/2042	5/8/2043	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	11/4/2042	5/8/2043	134
Cement Trucks - idling	Number of Vehicles	0		11/4/2042	5/8/2043	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/4/2042	5/8/2043	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/24/2043	1/25/2044	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/24/2043	1/25/2044	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	4/24/2043	1/25/2044	197
Truck Loading on site - idling	Number of Vehicles	0	12	4/24/2043	1/25/2044	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/24/2043	1/25/2044	197
Deliveries on site - idling	Number of Vehicles	4		4/24/2043	1/25/2044	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	4/24/2043	1/25/2044	197
Cement Trucks - idling	Number of Vehicles	0		4/24/2043	1/25/2044	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/24/2043	1/25/2044	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/11/2043	12/9/2043	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/11/2043	12/9/2043	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	8/11/2043	12/9/2043	87
Truck Loading on site - idling	Number of Vehicles	5	12	8/11/2043	12/9/2043	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	8/11/2043	12/9/2043	87
Deliveries on site - idling	Number of Vehicles	1		8/11/2043	12/9/2043	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	8/11/2043	12/9/2043	87
Cement Trucks - idling	Number of Vehicles	7		8/11/2043	12/9/2043	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	8/11/2043	12/9/2043	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/9/2043	2/1/2044	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/9/2043	2/1/2044	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	11/9/2043	2/1/2044	36
Truck Loading on site - idling	Number of Vehicles	0	12	11/9/2043	2/1/2044	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/9/2043	2/1/2044	36
Deliveries on site - idling	Number of Vehicles	13		11/9/2043	2/1/2044	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	11/9/2043	2/1/2044	36
Cement Trucks - idling	Number of Vehicles	0		11/9/2043	2/1/2044	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/9/2043	2/1/2044	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/1/2044	10/31/2044	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/1/2044	10/31/2044	196
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt	2/1/2044	10/31/2044	196
Truck Loading on site - idling	Number of Vehicles	91	20	2/1/2044	10/31/2044	196
Trucks Traveling on site	Number of Vehicles	91	Paved	2/1/2044	10/31/2044	196
Deliveries on site - idling	Number of Vehicles	0		2/1/2044	10/31/2044	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/1/2044	10/31/2044	196
Cement Trucks - idling	Number of Vehicles	0		2/1/2044	10/31/2044	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/1/2044	10/31/2044	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	70	5892250	353535	1804	90

Begin	22175	olume (yd^	218,231
End	23100	x 1.3	283,701

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/3/2046	6/24/2047	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/3/2046	6/24/2047	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/3/2046	6/24/2047	320
Truck Loading on site - idling	Number of Vehicles	0	12	4/3/2046	6/24/2047	320
Trucks Traveling on site	Number of Vehicles	0	Paved	4/3/2046	6/24/2047	320
Deliveries on site - idling	Number of Vehicles	0		4/3/2046	6/24/2047	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/3/2046	6/24/2047	320
Cement Trucks - idling	Number of Vehicles	8		4/3/2046	6/24/2047	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	4/3/2046	6/24/2047	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/25/2047	7/20/2048	280
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/25/2047	7/20/2048	280
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/25/2047	7/20/2048	280
Truck Loading on site - idling	Number of Vehicles	0	12	6/25/2047	7/20/2048	280
Trucks Traveling on site	Number of Vehicles	0	Paved	6/25/2047	7/20/2048	280
Deliveries on site - idling	Number of Vehicles	10		6/25/2047	7/20/2048	280
Deliveries Traveling on site	Number of Vehicles	10	Paved	6/25/2047	7/20/2048	280
Cement Trucks - idling	Number of Vehicles	0		6/25/2047	7/20/2048	280
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/25/2047	7/20/2048	280
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/25/2047	1/1/2048	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/25/2047	1/1/2048	137
Truck Loading Dust	Tons of material being loaded per day	564	Dirt	6/25/2047	1/1/2048	137
Truck Loading on site - idling	Number of Vehicles	47	12	6/25/2047	1/1/2048	137
Trucks Traveling on site	Number of Vehicles	47	Paved	6/25/2047	1/1/2048	137
Deliveries on site - idling	Number of Vehicles	0		6/25/2047	1/1/2048	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/25/2047	1/1/2048	137
Cement Trucks - idling	Number of Vehicles	0		6/25/2047	1/1/2048	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/25/2047	1/1/2048	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/18/2047	3/11/2048	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/18/2047	3/11/2048	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/18/2047	3/11/2048	36
Truck Loading on site - idling	Number of Vehicles	0	12	12/18/2047	3/11/2048	36
Trucks Traveling on site	Number of Vehicles	0	Paved	12/18/2047	3/11/2048	36
Deliveries on site - idling	Number of Vehicles	13		12/18/2047	3/11/2048	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	12/18/2047	3/11/2048	36
Cement Trucks - idling	Number of Vehicles	0		12/18/2047	3/11/2048	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/18/2047	3/11/2048	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/1/2048	9/14/2048	184
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	1/1/2048	9/14/2048	184
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/1/2048	9/14/2048	184
Truck Loading on site - idling	Number of Vehicles	0	12	1/1/2048	9/14/2048	184
Trucks Traveling on site	Number of Vehicles	0	Paved	1/1/2048	9/14/2048	184
Deliveries on site - idling	Number of Vehicles	3		1/1/2048	9/14/2048	184
Deliveries Traveling on site	Number of Vehicles	3	Paved	1/1/2048	9/14/2048	184
Cement Trucks - idling	Number of Vehicles	0		1/1/2048	9/14/2048	184
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/1/2048	9/14/2048	184

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	15	1262625	75757.5	553	46

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	63	7/15/2042	9/30/2047	1360
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	320
Shoring and excavation	15	4/21/2043	7/11/2044	320
Cast-in-place connection structure	15	4/25/2045	7/16/2046	320
MEP and Architectural finish work	13	7/17/2046	8/5/2047	275
Backfill, exterior entry, and surface restoration	15	7/17/2046	9/30/2047	315

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/15/2042	1/16/2043	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	4/21/2043	8/19/2043	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	4/21/2043	8/19/2043	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/20/2043	10/12/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	7/20/2043	10/12/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/12/2043	7/11/2044	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/25/2045	7/16/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	4/25/2045	7/16/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	4/25/2045	7/16/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/25/2045	7/16/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	4/25/2045	7/16/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	4/25/2045	7/16/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/17/2046	8/5/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	7/17/2046	8/5/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	7/17/2046	8/5/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	7/17/2046	8/5/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	7/17/2046	1/23/2047	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	7/17/2046	1/23/2047	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	7/17/2046	1/23/2047	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	7/17/2046	1/23/2047	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/9/2047	4/3/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/9/2047	4/3/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	1/9/2047	4/3/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	1/9/2047	4/3/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	1/9/2047	4/3/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/23/2047	9/30/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	1/23/2047	9/30/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	1/23/2047	9/30/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	1/23/2047	9/30/2047	179

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	63	7/15/2042	9/30/2047	
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	320
Shoring and excavation	15	4/21/2043	7/11/2044	320
Cast-in-place connection structure	15	4/25/2045	7/16/2046	320
MEP and Architectural finish work	13	7/17/2046	8/5/2047	275
Backfill, exterior entry, and surface restoration	15	7/17/2046	9/30/2047	315

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/15/2042	1/16/2043	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	7/15/2042	1/16/2043	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	7/15/2042	1/16/2043	134
Truck Loading on site - idling	Number of Vehicles	4	12	7/15/2042	1/16/2043	134
Trucks Traveling on site	Number of Vehicles	4	Paved	7/15/2042	1/16/2043	134
Deliveries on site - idling	Number of Vehicles	0		7/15/2042	1/16/2043	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	7/15/2042	1/16/2043	134
Cement Trucks - idling	Number of Vehicles	0		7/15/2042	1/16/2043	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/2/2043	10/5/2043	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/2/2043	10/5/2043	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/2/2043	10/5/2043	197
Truck Loading on site - idling	Number of Vehicles	0	12	1/2/2043	10/5/2043	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/2/2043	10/5/2043	197
Deliveries on site - idling	Number of Vehicles	4		1/2/2043	10/5/2043	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/2/2043	10/5/2043	197
Cement Trucks - idling	Number of Vehicles	0		1/2/2043	10/5/2043	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/2/2043	10/5/2043	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/21/2043	8/19/2043	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/21/2043	8/19/2043	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	4/21/2043	8/19/2043	87
Truck Loading on site - idling	Number of Vehicles	5	12	4/21/2043	8/19/2043	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	4/21/2043	8/19/2043	87
Deliveries on site - idling	Number of Vehicles	1		4/21/2043	8/19/2043	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	4/21/2043	8/19/2043	87
Cement Trucks - idling	Number of Vehicles	7		4/21/2043	8/19/2043	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	4/21/2043	8/19/2043	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/20/2043	10/12/2043	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/20/2043	10/12/2043	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	7/20/2043	10/12/2043	36
Truck Loading on site - idling	Number of Vehicles	0	12	7/20/2043	10/12/2043	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/20/2043	10/12/2043	36
Deliveries on site - idling	Number of Vehicles	13		7/20/2043	10/12/2043	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	7/20/2043	10/12/2043	36
Cement Trucks - idling	Number of Vehicles	0		7/20/2043	10/12/2043	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/20/2043	10/12/2043	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/12/2043	7/11/2044	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/12/2043	7/11/2044	196
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt	10/12/2043	7/11/2044	196
Truck Loading on site - idling	Number of Vehicles	100	20	10/12/2043	7/11/2044	196
Trucks Traveling on site	Number of Vehicles	100	Paved	10/12/2043	7/11/2044	196
Deliveries on site - idling	Number of Vehicles	0		10/12/2043	7/11/2044	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/12/2043	7/11/2044	196
Cement Trucks - idling	Number of Vehicles	0		10/12/2043	7/11/2044	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/12/2043	7/11/2044	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	75	6483750	389025	1985	99

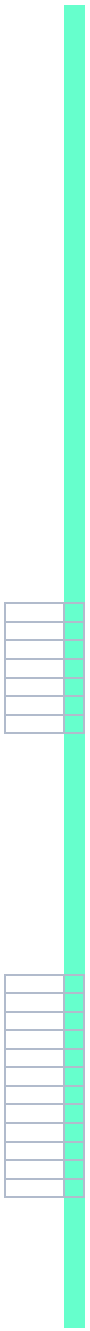
Begin	30185	olume (yd^	240,139
End	31135	x 1.3	312,181

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/25/2045	7/16/2046	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/25/2045	7/16/2046	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/25/2045	7/16/2046	320
Truck Loading on site - idling	Number of Vehicles	0	12	4/25/2045	7/16/2046	320
Trucks Traveling on site	Number of Vehicles	0	Paved	4/25/2045	7/16/2046	320
Deliveries on site - idling	Number of Vehicles	0		4/25/2045	7/16/2046	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/25/2045	7/16/2046	320
Cement Trucks - idling	Number of Vehicles	8		4/25/2045	7/16/2046	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	4/25/2045	7/16/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/17/2046	8/5/2047	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/17/2046	8/5/2047	275
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/17/2046	8/5/2047	275
Truck Loading on site - idling	Number of Vehicles	0	12	7/17/2046	8/5/2047	275
Trucks Traveling on site	Number of Vehicles	0	Paved	7/17/2046	8/5/2047	275
Deliveries on site - idling	Number of Vehicles	10		7/17/2046	8/5/2047	275
Deliveries Traveling on site	Number of Vehicles	10	Paved	7/17/2046	8/5/2047	275
Cement Trucks - idling	Number of Vehicles	0		7/17/2046	8/5/2047	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/17/2046	8/5/2047	275
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/17/2046	1/23/2047	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/17/2046	1/23/2047	137
Truck Loading Dust	Tons of material being loaded per day	768	Dirt	7/17/2046	1/23/2047	137
Truck Loading on site - idling	Number of Vehicles	64	12	7/17/2046	1/23/2047	137
Trucks Traveling on site	Number of Vehicles	64	Paved	7/17/2046	1/23/2047	137
Deliveries on site - idling	Number of Vehicles	0		7/17/2046	1/23/2047	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/17/2046	1/23/2047	137
Cement Trucks - idling	Number of Vehicles	0		7/17/2046	1/23/2047	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/17/2046	1/23/2047	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/9/2047	4/3/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/9/2047	4/3/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/9/2047	4/3/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	1/9/2047	4/3/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	1/9/2047	4/3/2047	36
Deliveries on site - idling	Number of Vehicles	13		1/9/2047	4/3/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	1/9/2047	4/3/2047	36
Cement Trucks - idling	Number of Vehicles	0		1/9/2047	4/3/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/9/2047	4/3/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/23/2047	9/30/2047	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	1/23/2047	9/30/2047	179
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/23/2047	9/30/2047	179
Truck Loading on site - idling	Number of Vehicles	0	12	1/23/2047	9/30/2047	179
Trucks Traveling on site	Number of Vehicles	0	Paved	1/23/2047	9/30/2047	179
Deliveries on site - idling	Number of Vehicles	3		1/23/2047	9/30/2047	179
Deliveries Traveling on site	Number of Vehicles	3	Paved	1/23/2047	9/30/2047	179
Cement Trucks - idling	Number of Vehicles	0		1/23/2047	9/30/2047	179
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/23/2047	9/30/2047	179

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	20	1729000	103740	757	63

Task Name	Duration	Start	Finish	Total Slack
Section 1: Expo to Fairfax/Wilshire (IOS)	528.2 wks	1/14/2041	2/27/2051	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	28 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	14 wks
Guideway and Tunnel	446 wks	2/12/2041	8/30/2049	0 wks
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0 wks
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	28 wks
TBM Assembly	8 wks	2/24/2043	4/20/2043	0 wks
Tunnel Boring	119 wks	4/21/2043	7/31/2045	0 wks
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0 wks
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0 wks
TBM Reassembly	8 wks	5/3/2044	6/27/2044	45 wks
Bore tunnels from Midtown Crossing to Fairfax/Wilshire (FW)	51 wks	6/28/2044	6/19/2045	45 wks
Bore tunnel tail tracks Fairfax/Wilshire (FW)	6 wks	6/20/2045	7/31/2045	45 wks
Crosspassage	123 wks	5/3/2044	9/10/2046	0 wks
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0 wks
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0 wks
Crosspassage excavations (MC to FW)	38 wks	8/1/2045	4/23/2046	45 wks
Crosspassage structural concrete lining (MC to FW)	38 wks	12/19/2045	9/10/2046	45 wks
Trackwork	220 wks	6/13/2045	8/30/2049	0 wks
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0 wks
Trackwork, track systems, and structural concrete (MC to FW)	110 wks	7/23/2047	8/30/2049	0 wks
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	89 wks
Connection Box	178 wks	5/6/2042	10/2/2045	89 wks
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	89 wks
Shoring and excavation	42 wks	12/2/2042	9/21/2043	89 wks
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	65 wks
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	238 wks
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	282 wks
Midtown Crossing Station and Crossover	420 wks	2/12/2041	3/1/2049	0 wks
Station	420 wks	2/12/2041	3/1/2049	0 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0 wks
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0 wks
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	28 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	60 wks
MEP and Architectural finish work	55 wks	12/17/2047	1/4/2049	60 wks
Backfill, exterior entry, and surface restoration	51 wks	3/10/2048	3/1/2049	104 wks
Crossover	408 wks	2/12/2041	12/7/2048	116 wks
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	308 wks
Shoring and excavation	64 wks	11/19/2041	2/9/2043	308 wks
Cast-in-place station box structure	61 wks	10/16/2046	12/16/2047	116 wks
Backfill, exterior entry, and surface restoration	51 wks	12/17/2047	12/7/2048	116 wks
Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	85 wks
Station	298 wks	7/30/2041	4/15/2047	85 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	85 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	143 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	65 wks
MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	158 wks
Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	202 wks
Crossover	286 wks	7/30/2041	1/21/2047	214 wks
Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	292 wks
Shoring and excavation	60 wks	5/6/2042	6/29/2043	292 wks
Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	214 wks
Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	214 wks
Fairfax/Wilshire Station and Crossover	295 wks	9/23/2042	5/18/2048	85 wks
Station	295 wks	9/23/2042	5/18/2048	85 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	85 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	85 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	60 wks
MEP and Architectural finish work	64 wks	1/1/2047	3/23/2048	101 wks
Backfill, exterior entry, and surface restoration	60 wks	3/26/2047	5/18/2048	145 wks



Crossover	283 wks	9/23/2042	2/24/2048	157 wks
Demolition, utility relocation, and site preparation	74 wks	9/23/2042	2/22/2044	182 wks
Shoring and excavation	74 wks	9/8/2043	2/6/2045	182 wks
Cast-in-place station box structure	74 wks	8/1/2045	12/31/2046	157 wks
Backfill, exterior entry, and surface restoration	60 wks	1/1/2047	2/24/2048	157 wks
Maintenance and Storage Facility Expansion (Div 16)	52 wks	2/12/2041	2/10/2042	368 wks
Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	2/12/2041	8/12/2041	368 wks
Trackwork and systems	26 wks	8/13/2041	2/10/2042	368 wks
Alignment Start-up	104 wks	3/2/2049	2/27/2051	0 wks
Systems testing and commissioning	104 wks	3/2/2049	2/27/2051	0 wks
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Section 1: Expo to Fairfax/Wilshire (IOS) Late	606.2 wks	1/14/2041	8/26/2052	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2640 days
Milestone: Early Revenue Service Date - Section 1	0 wks	2/27/2051	2/27/2051	0 wks
Unallocated Contingency	78 wks	2/28/2051	8/26/2052	0 wks
Milestone: Late Revenue Service Date - Section 1	0 wks	8/26/2052	8/26/2052	0 wks
Section 2: Fairfax/Wilshire to Hollywood/Highland	460.2 wks	1/14/2041	11/8/2049	0 wks
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	0 days
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	17 wks
Mobilization	4 wks	1/15/2041	2/11/2041	0 wks
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	13 wks
Guideway and Tunnel	370 wks	4/9/2041	5/11/2048	0 wks
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0 wks
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	17 wks
TBM Assembly	8 wks	2/17/2043	4/13/2043	0 wks
Tunnel Boring	105 wks	4/14/2043	4/17/2045	0 wks
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0 wks
Bore tunnel tail tracks Hollywood/Highland	6 wks	10/27/2043	12/7/2043	0 wks
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0 wks
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0 wks
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	55 wks	3/29/2044	4/17/2045	0 wks
Crosspassage	113 wks	2/2/2044	4/2/2046	0 wks
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	31 wks
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	31 wks
Crosspassage excavations (LBSM to FW)	30 wks	4/18/2045	11/13/2045	0 wks
Crosspassage structural concrete lining (LBSM to FW)	30 wks	9/5/2045	4/2/2046	0 wks
Trackwork	193 wks	8/30/2044	5/11/2048	0 wks
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	31 wks
Trackwork, track systems, and structural concrete (LBSM to FW)	110 wks	4/3/2046	5/11/2048	0 wks
La Brea/Santa Monica Station	373 wks	4/9/2041	6/1/2048	0 wks
Station	373 wks	4/9/2041	6/1/2048	0 wks
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0 wks
Shoring and excavation	71 wks	12/3/2041	4/13/2043	95 wks
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	41 wks
Cast-in-place station box structure	52 wks	5/8/2046	5/6/2047	31 wks
MEP and Architectural finish work	48 wks	5/7/2047	4/6/2048	31 wks
Backfill, exterior entry, and surface restoration	44 wks	7/30/2047	6/1/2048	75 wks
Hollywood/Highland Monica Station and Crossover	309 wks	2/12/2041	1/14/2047	0 wks
Station	309 wks	2/12/2041	1/14/2047	0 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0 wks
Shoring and excavation	82 wks	3/4/2042	9/28/2043	41 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	31 wks
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	103 wks
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	147 wks
Crossover	297 wks	2/12/2041	10/22/2046	159 wks
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	174 wks
Shoring and excavation	82 wks	1/28/2042	8/24/2043	174 wks
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	159 wks
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	159 wks

Section 1

8.82192

Task Name	Duration	Start	Finish	Date Difference Start	Finish	
Section 2: Fairfax/Wilshire to Hollywood/Highland	460.2 wks	1/14/2041	11/8/2049	0	0	
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0	0	
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0	
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0	
Mobilization	4 wks	1/15/2041	2/11/2041	0	0	
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	0	0	
Guideway and Tunnel	370 wks	4/9/2041	5/11/2048	0	0	
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0	0	
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0	
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0	0	
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	0	0	
TBM Assembly	8 wks	2/17/2043	4/13/2043	0	0	
Tunnel Boring	105 wks	4/14/2043	4/17/2045	0	0	
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0	0	
Bore tunnel tail tracks Hollywood/Highland	6 wks	10/27/2043	12/7/2043	0	0	
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0	0	
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0	0	
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	55 wks	3/29/2044	4/17/2045	0	0	
Crosspassage	113 wks	2/2/2044	4/2/2046	0	0	
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	0	0	
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	0	0	
Crosspassage excavations (LBSM to FW)	30 wks	4/18/2045	11/13/2045	0	0	
Crosspassage structural concrete lining (LBSM to FW)	30 wks	9/5/2045	4/2/2046	0	0	
Trackwork	193 wks	8/30/2044	5/11/2048	0	0	
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	0	0	
Trackwork, track systems, and structural concrete (LBSM to FW)	110 wks	4/3/2046	5/11/2048	0	0	
La Brea/Santa Monica Station	373 wks	4/9/2041	6/1/2048	0	0	
Station	373 wks	4/9/2041	6/1/2048	0	0	
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0	
Shoring and excavation	71 wks	12/3/2041	4/13/2043	0	0	
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	0	0	
Cast-in-place station box structure	52 wks	5/8/2046	5/6/2047	0	0	
MEP and Architectural finish work	48 wks	5/7/2047	4/6/2048	0	0	
Backfill, exterior entry, and surface restoration	44 wks	7/30/2047	6/1/2048	0	0	
Hollywood/Highland Station and Crossover	309 wks	2/12/2041	1/14/2047	0	0	
Station	309 wks	2/12/2041	1/14/2047	0	0	
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0	
Shoring and excavation	82 wks	3/4/2042	9/28/2043	0	0	410
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0	
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	0	0	
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	0	0	
(2) Double Crossovers	297 wks	2/12/2041	10/22/2046	0	0	
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0	
Shoring and excavation	82 wks	3/4/2042	9/28/2043	-35	-35	410
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0	
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	0	0	

Fairfax

Fairfax/Santa Monica Station and Crossover	272 wks	7/15/2042	9/30/2047	72 wks
Station	272 wks	7/15/2042	9/30/2047	72 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	72 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	72 wks
Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	31 wks
MEP and Architectural finish work	55 wks	7/17/2046	8/5/2047	66 wks
Backfill, exterior entry, and surface restoration	51 wks	10/9/2046	9/30/2047	110 wks
Crossover	260 wks	7/15/2042	7/8/2047	122 wks
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	163 wks
Shoring and excavation	64 wks	4/21/2043	7/11/2044	163 wks
Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	122 wks
Backfill, exterior entry, and surface restoration	51 wks	7/17/2046	7/8/2047	122 wks
Fairfax/3rd/Beverly Station and Crossover	306 wks	11/4/2042	9/14/2048	60 wks
Station	306 wks	11/4/2042	9/14/2048	60 wks
Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	90 wks
Shoring and excavation	64 wks	8/11/2043	10/31/2044	90 wks
Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	16 wks
MEP and Architectural finish work	56 wks	6/25/2047	7/20/2048	16 wks
Backfill, exterior entry, and surface restoration	52 wks	9/17/2047	9/14/2048	60 wks
Crossover	294 wks	11/4/2042	6/22/2048	72 wks
Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	146 wks
Shoring and excavation	64 wks	8/11/2043	10/31/2044	146 wks
Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	72 wks
Backfill, exterior entry, and surface restoration	52 wks	6/25/2047	6/22/2048	72 wks
New Maintenance and Storage Facility	208 wks	2/12/2041	2/6/2045	144 wks
Demolition, grading, and site preparation	52 wks	2/12/2041	2/10/2042	144 wks
Facility structures, trackwork, and systems	156 wks	2/11/2042	2/6/2045	144 wks
Alignment Start-up	104 wks	11/12/2047	11/8/2049	0 wks
Systems testing and commissioning	104 wks	11/12/2047	11/8/2049	0 wks
Milestone: Early Revenue Service Date - Section 2	0 wks	11/8/2049	11/8/2049	0 wks
Section 2: Fairfax/Wilshire to Hollywood/Highland Late	538.2 wks	1/14/2041	5/8/2051	0 wks
Notice to Proceed	1 day	1/14/2041	1/14/2041	2300 days
Milestone: Early Revenue Service Date - Section 2	0 wks	11/8/2049	11/8/2049	0 wks
Unallocated Contingency	78 wks	11/9/2049	5/8/2051	0 wks
Milestone: Late Revenue Service Date - Section 2	0 wks	5/8/2051	5/8/2051	0 wks

	Fairfax/Santa Monica Station and Crossover	272 wks	7/15/2042	9/30/2047	0	0
	Station	272 wks	7/15/2042	9/30/2047	0	0
	Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0
	Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0
	Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	0	0
	MEP and Architectural finish work	55 wks	7/17/2046	8/5/2047	0	0
	Backfill, exterior entry, and surface restoration	51 wks	10/9/2046	9/30/2047	0	0
	Double Crossover	260 wks	7/15/2042	7/8/2047	0	0
	Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0
	Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0
	Cast-in-place station box structure	64 wks	4/25/2045	7/16/2046	0	0
	Backfill, exterior entry, and surface restoration	51 wks	7/17/2046	7/8/2047	0	0
	Fairfax/3rd/Beverly Station and Crossover	306 wks	11/4/2042	9/14/2048	0	0
	Station	306 wks	11/4/2042	9/14/2048	0	0
	Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	0	0
	Shoring and excavation	64 wks	8/11/2043	10/31/2044	0	0
	Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	0	0
	MEP and Architectural finish work	56 wks	6/25/2047	7/20/2048	0	0
	Backfill, exterior entry, and surface restoration	52 wks	9/17/2047	9/14/2048	0	0
	Double Crossover	294 wks	11/4/2042	6/22/2048	0	0
	Demolition, utility relocation, and site preparation	64 wks	11/4/2042	1/25/2044	0	0
	Shoring and excavation	64 wks	8/11/2043	10/31/2044	0	0
	Cast-in-place station box structure	64 wks	4/3/2046	6/24/2047	0	0
	Backfill, exterior entry, and surface restoration	52 wks	6/25/2047	6/22/2048	0	0
Section 2	New Maintenance and Storage Facility	208 wks	11/17/2043	11/11/2047	-1008	-1008
	Demolition, grading, and site preparation	52 wks	11/17/2043	11/14/2044	-1008	-1008
	Facility structures, trackwork, and systems	156 wks	11/15/2044	11/11/2047	-1008	-1008
	Alignment Start-up	104 wks	11/12/2047	11/8/2049	0	0
	Systems testing and commissioning	104 wks	11/12/2047	11/8/2049	0	0
	Milestone: Early Revenue Service Date - Section 2	0 wks	11/8/2049	11/8/2049	0	0

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	11/8/2044	11/2/2048
Demolition, grading, and site preparation	12	11/8/2044	11/6/2045
Facility structures, trackwork, and systems	36	11/7/2045	11/2/2048

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility											
Crane-500	Tier 4	275	Diesel	2	0.5	8	4	8	11/8/2044	11/6/2045	260
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	11/8/2044	11/6/2045	260
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.5	8	4	8	11/8/2044	11/6/2045	260
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	11/8/2044	11/6/2045	260
Bobcat-175	Fleet Average	125	Diesel	2	0.25	8	2	4	11/8/2044	11/6/2045	260
Trackwork and systems	47	6/13/2045	4/12/2049								
Crane-500	Tier 4	285	Diesel	2	0.10	8	1	2	11/7/2045	11/2/2048	780
Excavator-120	Fleet Average	54	Diesel	3	0.5	8	4	12	11/7/2045	11/2/2048	780
Telehandler-175	Tier 4	142	Diesel	3	0.25	8	2	6	11/7/2045	11/2/2048	780
Other Construction Equipment-50	Fleet Average	50	Electric	3	1.00	8	8	24	11/7/2045	11/2/2048	780
Welding Plant - 500	Tier 4	380	Diesel	3	0.70	8	6	17	11/7/2045	11/2/2048	780

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
New Maintenance and Storage Facility	49	11/8/2044	11/2/2048
Demolition, grading, and site preparation	12	11/8/2044	11/6/2045
Facility structures, trackwork, and systems	36	11/7/2045	11/2/2048

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2044	11/6/2045	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate	11/8/2044	11/6/2045	260
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate	11/8/2044	11/6/2045	260
Truck Loading on site - idling	Number of Vehicles	46	12	11/8/2044	11/6/2045	260
Trucks Traveling on site	Number of Vehicles	46	Paved	11/8/2044	11/6/2045	260
Deliveries on site - idling	Number of Vehicles	0		11/8/2044	11/6/2045	260
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	11/8/2044	11/6/2045	260
Cement Trucks - idling	Number of Vehicles	0		11/8/2044	11/6/2045	260
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/8/2044	11/6/2045	260
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/7/2045	11/2/2048	780
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	11/7/2045	11/2/2048	780
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	11/7/2045	11/2/2048	780
Truck Loading on site - idling	Number of Vehicles	2	12	11/7/2045	11/2/2048	780
Trucks Traveling on site	Number of Vehicles	2	Paved	11/7/2045	11/2/2048	780
Deliveries on site - idling	Number of Vehicles	7		11/7/2045	11/2/2048	780
Deliveries Traveling on site	Number of Vehicles	7	Paved	11/7/2045	11/2/2048	780
Cement Trucks - idling	Number of Vehicles	0		11/7/2045	11/2/2048	780
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/7/2045	11/2/2048	780

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
25	1089000	2	2178000	141570	545	45

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	91	2/12/2041	8/17/2048		
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	9/19/2045	2/18/2047	370	
MEP and Architectural finish work	16	2/19/2047	6/22/2048	350	
Backfill, exterior entry, and surface restoration	18	2/19/2047	8/17/2048	390	

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Calculated Start	Calculated End	Calculated Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	5/30/2041	78
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	1/28/2042	9/15/2042	165
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	8/16/2042	11/8/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	2	0.25	8	2	4	8/16/2042	11/8/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Boom Truck-250	Fleet Average	200	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Other Construction Equipment-120	Fleet Average	100	Electric	4	1.00	16	16	64	11/8/2042	6/29/2043	166
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	4/5/2044	5/30/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	9/19/2045	2/18/2047	370
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/19/2045	2/18/2047	370
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	9/19/2045	2/18/2047	370
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	9/19/2045	2/18/2047	370
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	9/19/2045	2/18/2047	370
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/19/2045	2/18/2047	370
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/19/2047	6/22/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/19/2047	6/22/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/19/2047	6/22/2048	350
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/19/2047	6/22/2048	350
Backfill											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	2/19/2047	11/11/2047	190
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	2/19/2047	11/11/2047	190
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	2/19/2047	11/11/2047	190
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	2/19/2047	11/11/2047	190
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	10/28/2047	1/20/2048	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	10/28/2047	1/20/2048	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	10/28/2047	1/20/2048	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	10/28/2047	1/20/2048	36
Off-Highway Truck-175	Fleet Average	156	Diesel	2	1.00	8	8	16	10/28/2047	1/20/2048	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	11/11/2047	8/17/2048	201
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	11/11/2047	8/17/2048	201
Roller-250	Fleet Average	210	Diesel	3	0.25	8	2	6	11/11/2047	8/17/2048	201
Off-Highway Truck-250	Fleet Average	200	Diesel	3	0.25	8	2	6	11/11/2047	8/17/2048	201

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	91	2/12/2041	8/17/2048		
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	9/19/2045	2/18/2047	370	
MEP and Architectural finish work	16	2/19/2047	6/22/2048	350	
Backfill, exterior entry, and surface restoration	18	2/19/2047	8/17/2048	390	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)	Excavation Quantity						
Demolition							Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	5/30/2041	78	2	87120	2	174240	11325.6	145	12
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	2/12/2041	5/30/2041	78							
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	2/12/2041	5/30/2041	78							
Truck Loading on site - idling	Number of Vehicles	13	12	2/12/2041	5/30/2041	78							
Trucks Traveling on site	Number of Vehicles	13	Paved	2/12/2041	5/30/2041	78							
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78							
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78							
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78							
Utility Relocation & Site Praparaton													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/15/2041	7/14/2042	304							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/15/2041	7/14/2042	304							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/15/2041	7/14/2042	304							
Truck Loading on site - idling	Number of Vehicles	0	12	5/15/2041	7/14/2042	304							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304							
Deliveries on site - idling	Number of Vehicles	4		5/15/2041	7/14/2042	304							
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/15/2041	7/14/2042	304							
Cement Trucks - idling	Number of Vehicles	0		5/15/2041	7/14/2042	304							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304							
Shoring													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/28/2042	9/15/2042	165							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/28/2042	9/15/2042	165							
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	1/28/2042	9/15/2042	165							
Truck Loading on site - idling	Number of Vehicles	20	12	1/28/2042	9/15/2042	165							
Trucks Traveling on site	Number of Vehicles	20	Unpaved	1/28/2042	9/15/2042	165							
Deliveries on site - idling	Number of Vehicles	4		1/28/2042	9/15/2042	165							
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	1/28/2042	9/15/2042	165							
Cement Trucks - idling	Number of Vehicles	28		1/28/2042	9/15/2042	165							
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	1/28/2042	9/15/2042	165							
Decking - 12 Weekends													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/16/2042	11/8/2042	36							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/16/2042	11/8/2042	36							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/16/2042	11/8/2042	36							
Truck Loading on site - idling	Number of Vehicles	0	12	8/16/2042	11/8/2042	36							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/16/2042	11/8/2042	36							
Deliveries on site - idling	Number of Vehicles	13		8/16/2042	11/8/2042	36							
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/16/2042	11/8/2042	36							
Cement Trucks - idling	Number of Vehicles	0		8/16/2042	11/8/2042	36							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/16/2042	11/8/2042	36							
Excavation							Excavation Quantity						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2042	6/29/2043	166	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/8/2042	6/29/2043	166	70	940	95	8126300	487578	2937	147
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt	11/8/2042	6/29/2043	166							
Truck Loading on site - idling	Number of Vehicles	147	20	11/8/2042	6/29/2043	166							
Trucks Traveling on site	Number of Vehicles	147	Paved	11/8/2042	6/29/2043	166							
Deliveries on site - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166							
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166							
Cement Trucks - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166							

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/5/2044	5/30/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/5/2044	5/30/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/5/2044	5/30/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	4/5/2044	5/30/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	4/5/2044	5/30/2044	40
Deliveries on site - idling	Number of Vehicles	1		4/5/2044	5/30/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	4/5/2044	5/30/2044	40
Cement Trucks - idling	Number of Vehicles	0		4/5/2044	5/30/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/5/2044	5/30/2044	40
Cast-in-place box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/19/2045	2/18/2047	370
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/19/2045	2/18/2047	370
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/19/2045	2/18/2047	370
Truck Loading on site - idling	Number of Vehicles	0	12	9/19/2045	2/18/2047	370
Trucks Traveling on site	Number of Vehicles	0	Paved	9/19/2045	2/18/2047	370
Deliveries on site - idling	Number of Vehicles	0		9/19/2045	2/18/2047	370
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/19/2045	2/18/2047	370
Cement Trucks - idling	Number of Vehicles	8		9/19/2045	2/18/2047	370
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	9/19/2045	2/18/2047	370
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/19/2047	6/22/2048	350
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/19/2047	6/22/2048	350
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/19/2047	6/22/2048	350
Truck Loading on site - idling	Number of Vehicles	0	12	2/19/2047	6/22/2048	350
Trucks Traveling on site	Number of Vehicles	0	Paved	2/19/2047	6/22/2048	350
Deliveries on site - idling	Number of Vehicles	10		2/19/2047	6/22/2048	350
Deliveries Traveling on site	Number of Vehicles	10	Paved	2/19/2047	6/22/2048	350
Cement Trucks - idling	Number of Vehicles	0		2/19/2047	6/22/2048	350
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/19/2047	6/22/2048	350
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/19/2047	11/11/2047	190
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/19/2047	11/11/2047	190
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	2/19/2047	11/11/2047	190
Truck Loading on site - idling	Number of Vehicles	44	12	2/19/2047	11/11/2047	190
Trucks Traveling on site	Number of Vehicles	44	Paved	2/19/2047	11/11/2047	190
Deliveries on site - idling	Number of Vehicles	0		2/19/2047	11/11/2047	190
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/19/2047	11/11/2047	190
Cement Trucks - idling	Number of Vehicles	0		2/19/2047	11/11/2047	190
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/19/2047	11/11/2047	190
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/28/2047	1/20/2048	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/28/2047	1/20/2048	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/28/2047	1/20/2048	36
Truck Loading on site - idling	Number of Vehicles	0	12	10/28/2047	1/20/2048	36
Trucks Traveling on site	Number of Vehicles	0	Paved	10/28/2047	1/20/2048	36
Deliveries on site - idling	Number of Vehicles	13		10/28/2047	1/20/2048	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	10/28/2047	1/20/2048	36
Cement Trucks - idling	Number of Vehicles	0		10/28/2047	1/20/2048	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/28/2047	1/20/2048	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/11/2047	8/17/2048	201
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	11/11/2047	8/17/2048	201
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/11/2047	8/17/2048	201
Truck Loading on site - idling	Number of Vehicles	0	12	11/11/2047	8/17/2048	201
Trucks Traveling on site	Number of Vehicles	0	Paved	11/11/2047	8/17/2048	201
Deliveries on site - idling	Number of Vehicles	3		11/11/2047	8/17/2048	201
Deliveries Traveling on site	Number of Vehicles	3	Paved	11/11/2047	8/17/2048	201
Cement Trucks - idling	Number of Vehicles	0		11/11/2047	8/17/2048	201
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/11/2047	8/17/2048	201

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	940	25	1645000	98700	519	43

HH TDD

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Launch Site - La Brea/Santa Monica	25	2/12/2041	3/16/2043		
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20	
TBM Assembly	2	1/20/2043	3/16/2043	40	
Tunnel Boring	24	3/17/2043	3/20/2045	525	
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	7/26/2044	3/20/2045	170	
Disassembly of TBM and Relocate	2	4/5/2044	5/30/2044	40	# not accounted in this tab
TBM Reassembly	2	5/31/2044	7/25/2044	40	
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	13	3/17/2043	4/4/2044	275	
Crosspassage	19	5/31/2044	12/11/2045	400	
Crosspassage excavations (LBSM to HH)	4	*5/16/2045*	*9/18/2045*	90	
Crosspassage structural concrete lining (LBSM to HH)	4	*8/8/2045*	*12/11/2045*	90	
Crosspassage excavations (LBSM to FW)	7	*5/31/2044*	*12/26/2044*	150	
Crosspassage structural concrete lining (LBSM to FW)	7	*10/18/2044*	*5/15/2045*	150	
Trackwork	38	5/16/2045	6/22/2048	810	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/25/2047*	*6/22/2048*	260	
Trackwork, track systems, and structural concrete (LBSM to FW)	26	*5/16/2045*	*6/24/2047*	550	
La Brea/Santa Monica Station	85	*2/12/2041*	*2/3/2048*	1820	
Demolition, utility relocation, and site preparation	13	2/12/2041	3/3/2042	275	
Shoring and excavation	17	11/5/2041	3/16/2043	355	
Place concrete slab for station box	2	10/18/2044	12/12/2044	40	# assume that task "CIP station box structure" starts two months in advance (60 calendar days)
Cast-in-place station box structure	12	1/9/2046	1/7/2047	260	
MEP and Architectural finish work	11	1/8/2047	12/9/2047	240	
Backfill, exterior entry, and surface restoration	10	4/2/2047	2/3/2048	220	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	7/12/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	7/12/2041	109
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	7/12/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	6/27/2041	3/3/2042	178
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	6/27/2041	3/3/2042	178
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	6/27/2041	3/3/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/27/2041	3/3/2042	178
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	6/27/2041	3/3/2042	178
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	11/5/2041	2/3/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	11/5/2041	2/3/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	11/5/2041	2/3/2042	65
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	11/5/2041	2/3/2042	65
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	11/5/2041	2/3/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	11/5/2041	2/3/2042	65
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	11/5/2041	2/3/2042	65
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	11/5/2041	2/3/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	11/5/2041	2/3/2042	65

Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/4/2042	2/22/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/4/2042	2/22/2042	21
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	1/4/2042	2/22/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	1/4/2042	2/22/2042	21
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	1/4/2042	2/22/2042	21
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/22/2042	3/16/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/22/2042	3/16/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/22/2042	3/16/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/22/2042	3/16/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/22/2042	3/16/2043	276
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/22/2042	3/16/2043	276
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/22/2042	3/16/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/22/2042	3/16/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/22/2042	3/16/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/20/2043	3/16/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	1/20/2043	3/16/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	1/20/2043	3/16/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	1/20/2043	3/16/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	1/20/2043	3/16/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	7/26/2044	3/20/2045	170
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	7/26/2044	3/20/2045	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	7/26/2044	3/20/2045	170
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	7/26/2044	3/20/2045	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	7/26/2044	3/20/2045	170
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	7/26/2044	3/20/2045	170
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	7/26/2044	3/20/2045	170
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	7/26/2044	3/20/2045	170
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	7/26/2044	3/20/2045	170
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	7/26/2044	3/20/2045	170
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	7/26/2044	3/20/2045	170
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	7/26/2044	3/20/2045	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	7/26/2044	3/20/2045	170
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	7/26/2044	3/20/2045	170
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	7/26/2044	3/20/2045	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/26/2044	3/20/2045	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/31/2044	7/25/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	5/31/2044	7/25/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	5/31/2044	7/25/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	5/31/2044	7/25/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	5/31/2044	7/25/2044	40

Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/17/2043	4/4/2044	275
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	3/17/2043	4/4/2044	275
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	3/17/2043	4/4/2044	275
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	3/17/2043	4/4/2044	275
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/17/2043	4/4/2044	275
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	3/17/2043	4/4/2044	275
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	3/17/2043	4/4/2044	275
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	3/17/2043	4/4/2044	275
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	3/17/2043	4/4/2044	275
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	3/17/2043	4/4/2044	275
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	3/17/2043	4/4/2044	275
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	3/17/2043	4/4/2044	275
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	3/17/2043	4/4/2044	275
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	3/17/2043	4/4/2044	275
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	3/17/2043	4/4/2044	275
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/17/2043	4/4/2044	275
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	5/31/2044	12/11/2045	400
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	5/31/2044	12/11/2045	400
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	5/31/2044	12/11/2045	400
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	5/31/2044	12/11/2045	400
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	5/31/2044	12/11/2045	400
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	5/31/2044	12/11/2045	400
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	5/31/2044	12/11/2045	400
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	5/31/2044	12/11/2045	400
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	5/31/2044	12/11/2045	400
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	5/31/2044	12/11/2045	400
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	5/31/2044	12/11/2045	400
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	5/16/2045	6/22/2048	810
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	5/16/2045	6/22/2048	810
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	5/16/2045	6/22/2048	810
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	5/16/2045	6/22/2048	810
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/10/2045	1/7/2047	302
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	11/10/2045	1/7/2047	302
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	11/10/2045	1/7/2047	302
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	11/10/2045	1/7/2047	302
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/10/2045	1/7/2047	302
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	11/10/2045	1/7/2047	302
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/8/2047	12/9/2047	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	1/8/2047	12/9/2047	240
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	1/8/2047	12/9/2047	240
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/8/2047	12/9/2047	240
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	4/2/2047	9/9/2047	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/2/2047	9/9/2047	115
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	4/2/2047	9/9/2047	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	4/2/2047	9/9/2047	115

Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/26/2047	10/14/2047	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	8/26/2047	10/14/2047	21
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	8/26/2047	10/14/2047	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	8/26/2047	10/14/2047	21
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	8/26/2047	10/14/2047	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	9/9/2047	2/3/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	9/9/2047	2/3/2048	106
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	9/9/2047	2/3/2048	106
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	9/9/2047	2/3/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Launch Site - La Brea/Santa Monica	25	2/12/2041	3/16/2043		
Mobilize - Tunneling	1	9/23/2042	10/20/2042	20	
TBM Assembly	2	1/20/2043	3/16/2043	40	
Tunnel Boring	24	3/17/2043	3/20/2045		
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH) Bore tunnel tail tracks Hollywood/Highland	8	7/26/2044	3/20/2045	170	
Disassembly of TBM and Relocate	2	4/5/2044	5/30/2044		# this task should be accounted for in Hollywood/Highland and Fairfax/Wilshire?
TBM Reassembly	2	5/31/2044	7/25/2044	40	
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	13	3/17/2043	4/4/2044	275	
Crosspassage	19	5/31/2044	12/11/2045	400	
Crosspassage excavations (LBSM to HH)	4	*5/16/2045*	*9/18/2045*		
Crosspassage structural concrete lining (LBSM to HH)	4	*8/8/2045*	*12/11/2045*		
Crosspassage excavations (LBSM to FW)	7	*5/31/2044*	*12/26/2044*		
Crosspassage structural concrete lining (LBSM to FW)	7	*10/18/2044*	*5/15/2045*		
Trackwork	38	5/16/2045	6/22/2048	810	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/25/2047*	*6/22/2048*		
Trackwork, track systems, and structural concrete (LBSM to FW)	26	*5/16/2045*	*6/24/2047*		
La Brea/Santa Monica Station	85	*2/12/2041*	*2/3/2048*		
Demolition, utility relocation, and site preparation	13	2/12/2041	3/3/2042	275	
Shoring and excavation	17	11/5/2041	3/16/2043	355	
Place concrete slab for station box	2	10/18/2044	12/12/2044	40	# assume that task "CIP station box structure" starts two months in advance (60 calendar days)
Cast-in-place station box structure	12	1/9/2046	1/7/2047	260	
MEP and Architectural finish work	11	1/8/2047	12/9/2047	240	
Backfill, exterior entry, and surface restoration	10	4/2/2047	2/3/2048	220	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	7/12/2041	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	2/12/2041	7/12/2041	109
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	2/12/2041	7/12/2041	109
Truck Loading on site - idling	Number of Vehicles	13	12	2/12/2041	7/12/2041	109
Trucks Traveling on site	Number of Vehicles	13	Paved	2/12/2041	7/12/2041	109
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	7/12/2041	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	7/12/2041	109
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	7/12/2041	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	7/12/2041	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/27/2041	3/3/2042	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/27/2041	3/3/2042	178
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/27/2041	3/3/2042	178
Truck Loading on site - idling	Number of Vehicles	0	12	6/27/2041	3/3/2042	178
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/27/2041	3/3/2042	178
Deliveries on site - idling	Number of Vehicles	4		6/27/2041	3/3/2042	178
Deliveries Traveling on site	Number of Vehicles	4	Paved	6/27/2041	3/3/2042	178
Cement Trucks - idling	Number of Vehicles	0		6/27/2041	3/3/2042	178
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/27/2041	3/3/2042	178
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/5/2041	2/3/2042	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/5/2041	2/3/2042	65
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	11/5/2041	2/3/2042	65
Truck Loading on site - idling	Number of Vehicles	5	12	11/5/2041	2/3/2042	65
Trucks Traveling on site	Number of Vehicles	5	Unpaved	11/5/2041	2/3/2042	65
Deliveries on site - idling	Number of Vehicles	1		11/5/2041	2/3/2042	65
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	11/5/2041	2/3/2042	65
Cement Trucks - idling	Number of Vehicles	7		11/5/2041	2/3/2042	65
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	11/5/2041	2/3/2042	65

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
3	130680	2	261360	16988.4	156	13

Decking - 7 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/4/2042	2/22/2042	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/4/2042	2/22/2042	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/4/2042	2/22/2042	21
Truck Loading on site - idling	Number of Vehicles	0	12	1/4/2042	2/22/2042	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/4/2042	2/22/2042	21
Deliveries on site - idling	Number of Vehicles	13		1/4/2042	2/22/2042	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1/4/2042	2/22/2042	21
Cement Trucks - idling	Number of Vehicles	0		1/4/2042	2/22/2042	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/4/2042	2/22/2042	21
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/22/2042	3/16/2043	276
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/22/2042	3/16/2043	276
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	2/22/2042	3/16/2043	276
Truck Loading on site - idling	Number of Vehicles	30	20	2/22/2042	3/16/2043	276
Trucks Traveling on site	Number of Vehicles	30	Paved	2/22/2042	3/16/2043	276
Deliveries on site - idling	Number of Vehicles	0		2/22/2042	3/16/2043	276
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/22/2042	3/16/2043	276
Cement Trucks - idling	Number of Vehicles	0		2/22/2042	3/16/2043	276
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/22/2042	3/16/2043	276
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/20/2043	3/16/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/20/2043	3/16/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/20/2043	3/16/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	1/20/2043	3/16/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	1/20/2043	3/16/2043	40
Deliveries on site - idling	Number of Vehicles	2		1/20/2043	3/16/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	1/20/2043	3/16/2043	40
Cement Trucks - idling	Number of Vehicles	0		1/20/2043	3/16/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/20/2043	3/16/2043	40
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/26/2044	3/20/2045	170
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	7/26/2044	3/20/2045	170
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt	7/26/2044	3/20/2045	170
Truck Loading on site - idling	Number of Vehicles	75	20	7/26/2044	3/20/2045	170
Trucks Traveling on site	Number of Vehicles	75	Paved	7/26/2044	3/20/2045	170
Deliveries on site - idling	Number of Vehicles	17		7/26/2044	3/20/2045	170
Deliveries Traveling on site	Number of Vehicles	17	Paved	7/26/2044	3/20/2045	170
Cement Trucks - idling	Number of Vehicles	0		7/26/2044	3/20/2045	170
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/26/2044	3/20/2045	170
TBM Reassembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/31/2044	7/25/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/31/2044	7/25/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/31/2044	7/25/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	5/31/2044	7/25/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	5/31/2044	7/25/2044	40
Deliveries on site - idling	Number of Vehicles	2		5/31/2044	7/25/2044	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	5/31/2044	7/25/2044	40
Cement Trucks - idling	Number of Vehicles	0		5/31/2044	7/25/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/31/2044	7/25/2044	40

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	70	2707250	162435	589	29

Begin	35450	olume (yd^	100,269
End	35875	x 1.3	130,349

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	5545	380.1327	4215672	252940.3	1488	74

End	41420	olume (yd^	156,136
Begin	35875	x 1.3	202,977

	20595	41190

Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/17/2043	4/4/2044	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/17/2043	4/4/2044	275
Truck Loading Dust	Tons of material being loaded per day	2,500	Dirt	3/17/2043	4/4/2044	275
Truck Loading on site - idling	Number of Vehicles	125	20	3/17/2043	4/4/2044	275
Trucks Traveling on site	Number of Vehicles	125	Paved	3/17/2043	4/4/2044	275
Deliveries on site - idling	Number of Vehicles	17		3/17/2043	4/4/2044	275
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/17/2043	4/4/2044	275
Cement Trucks - idling	Number of Vehicles	0		3/17/2043	4/4/2044	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/17/2043	4/4/2044	275
Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/31/2044	12/11/2045	400
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	5/31/2044	12/11/2045	400
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	5/31/2044	12/11/2045	400
Truck Loading on site - idling	Number of Vehicles	1	12	5/31/2044	12/11/2045	400
Trucks Traveling on site	Number of Vehicles	1	Paved	5/31/2044	12/11/2045	400
Deliveries on site - idling	Number of Vehicles	0		5/31/2044	12/11/2045	400
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/31/2044	12/11/2045	400
Cement Trucks - idling	Number of Vehicles	1		5/31/2044	12/11/2045	400
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	5/31/2044	12/11/2045	400
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/16/2045	6/22/2048	810
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/16/2045	6/22/2048	810
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/16/2045	6/22/2048	810
Truck Loading on site - idling	Number of Vehicles	0	12	5/16/2045	6/22/2048	810
Trucks Traveling on site	Number of Vehicles	0	Paved	5/16/2045	6/22/2048	810
Deliveries on site - idling	Number of Vehicles	7		5/16/2045	6/22/2048	810
Deliveries Traveling on site	Number of Vehicles	7	Paved	5/16/2045	6/22/2048	810
Cement Trucks - idling	Number of Vehicles	0		5/16/2045	6/22/2048	810
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/16/2045	6/22/2048	810
Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/10/2045	1/7/2047	302
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/10/2045	1/7/2047	302
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/10/2045	1/7/2047	302
Truck Loading on site - idling	Number of Vehicles	0	12	11/10/2045	1/7/2047	302
Trucks Traveling on site	Number of Vehicles	0	Paved	11/10/2045	1/7/2047	302
Deliveries on site - idling	Number of Vehicles	0		11/10/2045	1/7/2047	302
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/10/2045	1/7/2047	302
Cement Trucks - idling	Number of Vehicles	8		11/10/2045	1/7/2047	302
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	11/10/2045	1/7/2047	302
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/8/2047	12/9/2047	240
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/8/2047	12/9/2047	240
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/8/2047	12/9/2047	240
Truck Loading on site - idling	Number of Vehicles	0	12	1/8/2047	12/9/2047	240
Trucks Traveling on site	Number of Vehicles	0	Paved	1/8/2047	12/9/2047	240
Deliveries on site - idling	Number of Vehicles	10		1/8/2047	12/9/2047	240
Deliveries Traveling on site	Number of Vehicles	10	Paved	1/8/2047	12/9/2047	240
Cement Trucks - idling	Number of Vehicles	0		1/8/2047	12/9/2047	240
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/8/2047	12/9/2047	240
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/2/2047	9/9/2047	115
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	4/2/2047	9/9/2047	115
Truck Loading Dust	Tons of material being loaded per day	408	Dirt	4/2/2047	9/9/2047	115
Truck Loading on site - idling	Number of Vehicles	34	12	4/2/2047	9/9/2047	115
Trucks Traveling on site	Number of Vehicles	34	Paved	4/2/2047	9/9/2047	115
Deliveries on site - idling	Number of Vehicles	0		4/2/2047	9/9/2047	115
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/2/2047	9/9/2047	115
Cement Trucks - idling	Number of Vehicles	0		4/2/2047	9/9/2047	115
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/2/2047	9/9/2047	115

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	15050	380.1327	11441995	686519.7	2496	125
End	20400	olume (yd^	423,778			
Begin	35450	x 1.3	550,911			
Stations	0					

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
12	320	12	46080	2764.8	7	1

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	425	20	773500	46410	404	34

Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/26/2047	10/14/2047	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/26/2047	10/14/2047	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/26/2047	10/14/2047	21
Truck Loading on site - idling	Number of Vehicles	0	12	8/26/2047	10/14/2047	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/26/2047	10/14/2047	21
Deliveries on site - idling	Number of Vehicles	13		8/26/2047	10/14/2047	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/26/2047	10/14/2047	21
Cement Trucks - idling	Number of Vehicles	0		8/26/2047	10/14/2047	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/26/2047	10/14/2047	21
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/9/2047	2/3/2048	106
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/9/2047	2/3/2048	106
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/9/2047	2/3/2048	106
Truck Loading on site - idling	Number of Vehicles	0	12	9/9/2047	2/3/2048	106
Trucks Traveling on site	Number of Vehicles	0	Paved	9/9/2047	2/3/2048	106
Deliveries on site - idling	Number of Vehicles	6		9/9/2047	2/3/2048	106
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/9/2047	2/3/2048	106
Cement Trucks - idling	Number of Vehicles	0		9/9/2047	2/3/2048	106
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/9/2047	2/3/2048	106

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	80	9/3/2041	3/16/2048	
Demolition, utility relocation, and site preparation	15	9/3/2041	11/24/2042	320
Shoring and excavation	15	6/10/2042	8/31/2043	320
Cast-in-place connection structure	15	10/3/2045	12/24/2046	320
MEP and Architectural finish work	13	12/25/2046	1/20/2048	280
Backfill, exterior entry, and surface restoration	15	12/25/2046	3/16/2048	320

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Calculated Start	Calculated End	Calculated Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	9/3/2041	3/7/2042	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	9/3/2041	3/7/2042	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	9/3/2041	3/7/2042	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	2/21/2042	11/24/2042	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	2/21/2042	11/24/2042	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	2/21/2042	11/24/2042	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/21/2042	11/24/2042	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	2/21/2042	11/24/2042	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	6/10/2042	10/8/2042	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	6/10/2042	10/8/2042	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	6/10/2042	10/8/2042	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	6/10/2042	10/8/2042	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	6/10/2042	10/8/2042	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	6/10/2042	10/8/2042	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	6/10/2042	10/8/2042	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	6/10/2042	10/8/2042	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	6/10/2042	10/8/2042	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	9/8/2042	12/1/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	9/8/2042	12/1/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	9/8/2042	12/1/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	9/8/2042	12/1/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/8/2042	12/1/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/1/2042	8/31/2043	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	12/1/2042	8/31/2043	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	12/1/2042	8/31/2043	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	12/1/2042	8/31/2043	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	12/1/2042	8/31/2043	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	12/1/2042	8/31/2043	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/1/2042	8/31/2043	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	12/1/2042	8/31/2043	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	12/1/2042	8/31/2043	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/3/2045	12/24/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	10/3/2045	12/24/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	10/3/2045	12/24/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	10/3/2045	12/24/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/3/2045	12/24/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	10/3/2045	12/24/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/25/2046	1/20/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	12/25/2046	1/20/2048	280
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	12/25/2046	1/20/2048	280
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	12/25/2046	1/20/2048	280
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	12/25/2046	7/3/2047	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/25/2046	7/3/2047	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	12/25/2046	7/3/2047	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	12/25/2046	7/3/2047	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	6/19/2047	9/11/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	6/19/2047	9/11/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	6/19/2047	9/11/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	6/19/2047	9/11/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	6/19/2047	9/11/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	7/3/2047	3/16/2048	184
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	7/3/2047	3/16/2048	184
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	7/3/2047	3/16/2048	184
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	7/3/2047	3/16/2048	184

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/3rd/Beverly Station and Crossover	80	9/3/2041	3/16/2048	
Demolition, utility relocation, and site preparation	15	9/3/2041	11/24/2042	320
Shoring and excavation	15	6/10/2042	8/31/2043	320
Cast-in-place connection structure	15	10/3/2045	12/24/2046	320
MEP and Architectural finish work	13	12/25/2046	1/20/2048	280
Backfill, exterior entry, and surface restoration	15	12/25/2046	3/16/2048	320

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/3/2041	3/7/2042	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	9/3/2041	3/7/2042	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	9/3/2041	3/7/2042	134
Truck Loading on site - idling	Number of Vehicles	4	12	9/3/2041	3/7/2042	134
Trucks Traveling on site	Number of Vehicles	4	Paved	9/3/2041	3/7/2042	134
Deliveries on site - idling	Number of Vehicles	0		9/3/2041	3/7/2042	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	9/3/2041	3/7/2042	134
Cement Trucks - idling	Number of Vehicles	0		9/3/2041	3/7/2042	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/3/2041	3/7/2042	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/21/2042	11/24/2042	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/21/2042	11/24/2042	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/21/2042	11/24/2042	197
Truck Loading on site - idling	Number of Vehicles	0	12	2/21/2042	11/24/2042	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/21/2042	11/24/2042	197
Deliveries on site - idling	Number of Vehicles	4		2/21/2042	11/24/2042	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	2/21/2042	11/24/2042	197
Cement Trucks - idling	Number of Vehicles	0		2/21/2042	11/24/2042	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/21/2042	11/24/2042	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/10/2042	10/8/2042	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/10/2042	10/8/2042	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	6/10/2042	10/8/2042	87
Truck Loading on site - idling	Number of Vehicles	5	12	6/10/2042	10/8/2042	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	6/10/2042	10/8/2042	87
Deliveries on site - idling	Number of Vehicles	1		6/10/2042	10/8/2042	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	6/10/2042	10/8/2042	87
Cement Trucks - idling	Number of Vehicles	7		6/10/2042	10/8/2042	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	6/10/2042	10/8/2042	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/8/2042	12/1/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/8/2042	12/1/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/8/2042	12/1/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	9/8/2042	12/1/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/8/2042	12/1/2042	36
Deliveries on site - idling	Number of Vehicles	13		9/8/2042	12/1/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	9/8/2042	12/1/2042	36
Cement Trucks - idling	Number of Vehicles	0		9/8/2042	12/1/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/8/2042	12/1/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/1/2042	8/31/2043	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	12/1/2042	8/31/2043	196
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt	12/1/2042	8/31/2043	196
Truck Loading on site - idling	Number of Vehicles	91	20	12/1/2042	8/31/2043	196
Trucks Traveling on site	Number of Vehicles	91	Paved	12/1/2042	8/31/2043	196
Deliveries on site - idling	Number of Vehicles	0		12/1/2042	8/31/2043	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/1/2042	8/31/2043	196
Cement Trucks - idling	Number of Vehicles	0		12/1/2042	8/31/2043	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/1/2042	8/31/2043	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	70	5892250	353535	1804	90

		olume (yd^	
Begin	22175		218,231
End	23100	x 1.3	283,701

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/3/2045	12/24/2046	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/3/2045	12/24/2046	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	10/3/2045	12/24/2046	320
Truck Loading on site - idling	Number of Vehicles	0	12	10/3/2045	12/24/2046	320
Trucks Traveling on site	Number of Vehicles	0	Paved	10/3/2045	12/24/2046	320
Deliveries on site - idling	Number of Vehicles	0		10/3/2045	12/24/2046	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/3/2045	12/24/2046	320
Cement Trucks - idling	Number of Vehicles	8		10/3/2045	12/24/2046	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	10/3/2045	12/24/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/25/2046	1/20/2048	280
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/25/2046	1/20/2048	280
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/25/2046	1/20/2048	280
Truck Loading on site - idling	Number of Vehicles	0	12	12/25/2046	1/20/2048	280
Trucks Traveling on site	Number of Vehicles	0	Paved	12/25/2046	1/20/2048	280
Deliveries on site - idling	Number of Vehicles	10		12/25/2046	1/20/2048	280
Deliveries Traveling on site	Number of Vehicles	10	Paved	12/25/2046	1/20/2048	280
Cement Trucks - idling	Number of Vehicles	0		12/25/2046	1/20/2048	280
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/25/2046	1/20/2048	280
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/25/2046	7/3/2047	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/25/2046	7/3/2047	137
Truck Loading Dust	Tons of material being loaded per day	564	Dirt	12/25/2046	7/3/2047	137
Truck Loading on site - idling	Number of Vehicles	47	12	12/25/2046	7/3/2047	137
Trucks Traveling on site	Number of Vehicles	47	Paved	12/25/2046	7/3/2047	137
Deliveries on site - idling	Number of Vehicles	0		12/25/2046	7/3/2047	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/25/2046	7/3/2047	137
Cement Trucks - idling	Number of Vehicles	0		12/25/2046	7/3/2047	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/25/2046	7/3/2047	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/19/2047	9/11/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/19/2047	9/11/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/19/2047	9/11/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	6/19/2047	9/11/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	6/19/2047	9/11/2047	36
Deliveries on site - idling	Number of Vehicles	13		6/19/2047	9/11/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	6/19/2047	9/11/2047	36
Cement Trucks - idling	Number of Vehicles	0		6/19/2047	9/11/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/19/2047	9/11/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/3/2047	3/16/2048	184
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	7/3/2047	3/16/2048	184
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/3/2047	3/16/2048	184
Truck Loading on site - idling	Number of Vehicles	0	12	7/3/2047	3/16/2048	184
Trucks Traveling on site	Number of Vehicles	0	Paved	7/3/2047	3/16/2048	184
Deliveries on site - idling	Number of Vehicles	3		7/3/2047	3/16/2048	184
Deliveries Traveling on site	Number of Vehicles	3	Paved	7/3/2047	3/16/2048	184
Cement Trucks - idling	Number of Vehicles	0		7/3/2047	3/16/2048	184
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/3/2047	3/16/2048	184

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	925	15	1262625	75757.5	553	46

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	74	4/30/2041	6/3/2047	1590
Demolition, utility relocation, and site preparation	15	4/30/2041	7/21/2042	320
Shoring and excavation	15	2/4/2042	4/27/2043	320
Cast-in-place connection structure	15	12/27/2044	3/19/2046	320
MEP and Architectural finish work	13	3/20/2046	4/8/2047	275
Backfill, exterior entry, and surface restoration	15	3/20/2046	6/3/2047	315

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Calculated Start	Calculated End	Calculated Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	4/30/2041	11/1/2041	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	4/30/2041	11/1/2041	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	4/30/2041	11/1/2041	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	10/18/2041	7/21/2042	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	10/18/2041	7/21/2042	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	10/18/2041	7/21/2042	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	10/18/2041	7/21/2042	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	10/18/2041	7/21/2042	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	2/4/2042	6/4/2042	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	2/4/2042	6/4/2042	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	2/4/2042	6/4/2042	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	2/4/2042	6/4/2042	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	2/4/2042	6/4/2042	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	2/4/2042	6/4/2042	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	2/4/2042	6/4/2042	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	2/4/2042	6/4/2042	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	2/4/2042	6/4/2042	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/5/2042	7/28/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/5/2042	7/28/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	5/5/2042	7/28/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	5/5/2042	7/28/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	5/5/2042	7/28/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	7/28/2042	4/27/2043	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	7/28/2042	4/27/2043	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/28/2042	4/27/2043	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	7/28/2042	4/27/2043	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	7/28/2042	4/27/2043	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	7/28/2042	4/27/2043	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	7/28/2042	4/27/2043	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	7/28/2042	4/27/2043	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	7/28/2042	4/27/2043	196
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/27/2044	3/19/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/27/2044	3/19/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/27/2044	3/19/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/27/2044	3/19/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/27/2044	3/19/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/27/2044	3/19/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/20/2046	4/8/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	3/20/2046	4/8/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	3/20/2046	4/8/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	3/20/2046	4/8/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	3/20/2046	9/26/2046	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/20/2046	9/26/2046	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	3/20/2046	9/26/2046	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/20/2046	9/26/2046	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	9/12/2046	12/5/2046	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	9/12/2046	12/5/2046	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	9/12/2046	12/5/2046	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	9/12/2046	12/5/2046	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	9/12/2046	12/5/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	9/26/2046	6/3/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	9/26/2046	6/3/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	9/26/2046	6/3/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	9/26/2046	6/3/2047	179

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Fairfax/Santa Monica Station and Crossover	74	4/30/2041	6/3/2047	
Demolition, utility relocation, and site preparation	15	4/30/2041	7/21/2042	320
Shoring and excavation	15	2/4/2042	4/27/2043	320
Cast-in-place connection structure	15	12/27/2044	3/19/2046	320
MEP and Architectural finish work	13	3/20/2046	4/8/2047	275
Backfill, exterior entry, and surface restoration	15	3/20/2046	6/3/2047	315

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/30/2041	11/1/2041	134
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	4/30/2041	11/1/2041	134
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	4/30/2041	11/1/2041	134
Truck Loading on site - idling	Number of Vehicles	4	12	4/30/2041	11/1/2041	134
Trucks Traveling on site	Number of Vehicles	4	Paved	4/30/2041	11/1/2041	134
Deliveries on site - idling	Number of Vehicles	0		4/30/2041	11/1/2041	134
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/30/2041	11/1/2041	134
Cement Trucks - idling	Number of Vehicles	0		4/30/2041	11/1/2041	134
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/30/2041	11/1/2041	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/18/2041	7/21/2042	197
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	10/18/2041	7/21/2042	197
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/18/2041	7/21/2042	197
Truck Loading on site - idling	Number of Vehicles	0	12	10/18/2041	7/21/2042	197
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/18/2041	7/21/2042	197
Deliveries on site - idling	Number of Vehicles	4		10/18/2041	7/21/2042	197
Deliveries Traveling on site	Number of Vehicles	4	Paved	10/18/2041	7/21/2042	197
Cement Trucks - idling	Number of Vehicles	0		10/18/2041	7/21/2042	197
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/18/2041	7/21/2042	197
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/4/2042	6/4/2042	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/4/2042	6/4/2042	87
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	2/4/2042	6/4/2042	87
Truck Loading on site - idling	Number of Vehicles	5	12	2/4/2042	6/4/2042	87
Trucks Traveling on site	Number of Vehicles	5	Unpaved	2/4/2042	6/4/2042	87
Deliveries on site - idling	Number of Vehicles	1		2/4/2042	6/4/2042	87
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	2/4/2042	6/4/2042	87
Cement Trucks - idling	Number of Vehicles	7		2/4/2042	6/4/2042	87
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	2/4/2042	6/4/2042	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/5/2042	7/28/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/5/2042	7/28/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/5/2042	7/28/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	5/5/2042	7/28/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/5/2042	7/28/2042	36
Deliveries on site - idling	Number of Vehicles	13		5/5/2042	7/28/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	5/5/2042	7/28/2042	36
Cement Trucks - idling	Number of Vehicles	0		5/5/2042	7/28/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/5/2042	7/28/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/28/2042	4/27/2043	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	7/28/2042	4/27/2043	196
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt	7/28/2042	4/27/2043	196
Truck Loading on site - idling	Number of Vehicles	100	20	7/28/2042	4/27/2043	196
Trucks Traveling on site	Number of Vehicles	100	Paved	7/28/2042	4/27/2043	196
Deliveries on site - idling	Number of Vehicles	0		7/28/2042	4/27/2043	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/28/2042	4/27/2043	196
Cement Trucks - idling	Number of Vehicles	0		7/28/2042	4/27/2043	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/28/2042	4/27/2043	196

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	75	6483750	389025	1985	99

Begin	30185	olume (yd^	240,139
End	31135	x 1.3	312,181

Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	3/19/2046	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/27/2044	3/19/2046	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/27/2044	3/19/2046	320
Truck Loading on site - idling	Number of Vehicles	0	12	12/27/2044	3/19/2046	320
Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	3/19/2046	320
Deliveries on site - idling	Number of Vehicles	0		12/27/2044	3/19/2046	320
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/27/2044	3/19/2046	320
Cement Trucks - idling	Number of Vehicles	8		12/27/2044	3/19/2046	320
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/27/2044	3/19/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/20/2046	4/8/2047	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/20/2046	4/8/2047	275
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/20/2046	4/8/2047	275
Truck Loading on site - idling	Number of Vehicles	0	12	3/20/2046	4/8/2047	275
Trucks Traveling on site	Number of Vehicles	0	Paved	3/20/2046	4/8/2047	275
Deliveries on site - idling	Number of Vehicles	10		3/20/2046	4/8/2047	275
Deliveries Traveling on site	Number of Vehicles	10	Paved	3/20/2046	4/8/2047	275
Cement Trucks - idling	Number of Vehicles	0		3/20/2046	4/8/2047	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/20/2046	4/8/2047	275
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/20/2046	9/26/2046	137
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/20/2046	9/26/2046	137
Truck Loading Dust	Tons of material being loaded per day	768	Dirt	3/20/2046	9/26/2046	137
Truck Loading on site - idling	Number of Vehicles	64	12	3/20/2046	9/26/2046	137
Trucks Traveling on site	Number of Vehicles	64	Paved	3/20/2046	9/26/2046	137
Deliveries on site - idling	Number of Vehicles	0		3/20/2046	9/26/2046	137
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/20/2046	9/26/2046	137
Cement Trucks - idling	Number of Vehicles	0		3/20/2046	9/26/2046	137
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/20/2046	9/26/2046	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/12/2046	12/5/2046	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/12/2046	12/5/2046	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/12/2046	12/5/2046	36
Truck Loading on site - idling	Number of Vehicles	0	12	9/12/2046	12/5/2046	36
Trucks Traveling on site	Number of Vehicles	0	Paved	9/12/2046	12/5/2046	36
Deliveries on site - idling	Number of Vehicles	13		9/12/2046	12/5/2046	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	9/12/2046	12/5/2046	36
Cement Trucks - idling	Number of Vehicles	0		9/12/2046	12/5/2046	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/12/2046	12/5/2046	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/26/2046	6/3/2047	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	9/26/2046	6/3/2047	179
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/26/2046	6/3/2047	179
Truck Loading on site - idling	Number of Vehicles	0	12	9/26/2046	6/3/2047	179
Trucks Traveling on site	Number of Vehicles	0	Paved	9/26/2046	6/3/2047	179
Deliveries on site - idling	Number of Vehicles	3		9/26/2046	6/3/2047	179
Deliveries Traveling on site	Number of Vehicles	3	Paved	9/26/2046	6/3/2047	179
Cement Trucks - idling	Number of Vehicles	0		9/26/2046	6/3/2047	179
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/26/2046	6/3/2047	179

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
70	950	20	1729000	103740	757	63

Section 2: Fairfax/Wilshire to Hollywood Bowl	511.2 wks	1/14/2041	10/31/2050
Pre-Construction	104.2 wks	1/14/2041	1/12/2043
Notice to Proceed	1 day	1/14/2041	1/14/2041
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042
Mobilization	4 wks	1/15/2041	2/11/2041
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043
Guideway and Tunnel	384 wks	2/12/2041	6/22/2048
Launch Site - La Brea/Santa Monica	109 wks	2/12/2041	3/16/2043
Demolition, utility relocation, and site preparation	55 wks	2/12/2041	3/3/2042
Shoring and Excavation	71 wks	11/5/2041	3/16/2043
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042
TBM Assembly	8 wks	1/20/2043	3/16/2043
Tunnel Boring	105 wks	3/17/2043	3/20/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)	55 wks	3/17/2043	4/4/2044
Disassembly of TBM and Relocate	8 wks	4/5/2044	5/30/2044
TBM Reassembly	8 wks	5/31/2044	7/25/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland	28 wks	7/26/2044	2/6/2045
Bore tunnel tail tracks - Hollywood/Highland	6 wks	2/7/2045	3/20/2045
Crosspassage	80 wks	5/31/2044	12/11/2045
Crosspassage excavations (LBSM to FW)	30 wks	5/31/2044	12/26/2044
Crosspassage structural concrete lining (LBSM to FW)	30 wks	10/18/2044	5/15/2045
Crosspassage excavations (LBSM to HH)	18 wks	5/16/2045	9/18/2045
Crosspassage structural concrete lining (LBSM to HH)	18 wks	8/8/2045	12/11/2045
Trackwork	162 wks	5/16/2045	6/22/2048
Trackwork, track systems, and structural concrete (LBSM to FW)	110 wks	5/16/2045	6/24/2047
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	6/25/2047	6/22/2048

La Brea/Santa Monica Station	364 wks	2/12/2041	2/3/2048
Station	364 wks	2/12/2041	2/3/2048
Demolition, utility relocation, and site preparation	55 wks	2/12/2041	3/3/2042
Shoring and excavation	71 wks	11/5/2041	3/16/2043
Place concrete slab for station box	8 wks	10/18/2044	12/12/2044
Cast-in-place station box structure	52 wks	1/9/2046	1/7/2047
MEP and Architectural finish work	48 wks	1/8/2047	12/9/2047
Backfill, exterior entry, and surface restoration	44 wks	4/2/2047	2/3/2048
Hollywood/Highland Station and Crossover	392 wks	2/12/2041	8/17/2048
Station	392 wks	2/12/2041	8/17/2048
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	9/19/2045	2/18/2047
MEP and Architectural finish work	70 wks	2/19/2047	6/22/2048
Backfill, exterior entry, and surface restoration	66 wks	5/14/2047	8/17/2048
Double Crossover	380 wks	2/12/2041	5/25/2048
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	9/19/2045	2/18/2047
Backfill, exterior entry, and surface restoration	66 wks	2/19/2047	5/25/2048
Fairfax/Santa Monica Station and Crossover	318 wks	4/30/2041	6/3/2047
Station	318 wks	4/30/2041	6/3/2047
Demolition, utility relocation, and site preparation	64 wks	4/30/2041	7/21/2042
Shoring and excavation	64 wks	2/4/2042	4/27/2043
Cast-in-place station box structure	64 wks	12/27/2044	3/19/2046
MEP and Architectural finish work	55 wks	3/20/2046	4/8/2047
Backfill, exterior entry, and surface restoration	51 wks	6/12/2046	6/3/2047
Double Crossover	306 wks	4/30/2041	3/11/2047
Demolition, utility relocation, and site preparation	64 wks	4/30/2041	7/21/2042
Shoring and excavation	64 wks	2/4/2042	4/27/2043
Cast-in-place station box structure	64 wks	12/27/2044	3/19/2046
Backfill, exterior entry, and surface restoration	51 wks	3/20/2046	3/11/2047

K Line Northern Extension
Construction Data

Fairfax/3rd/Beverly Station and Crossover	341 wks	9/3/2041	3/16/2048
Station	341 wks	9/3/2041	3/16/2048
Demolition, utility relocation, and site preparation	64 wks	9/3/2041	11/24/2042
Shoring and excavation	64 wks	6/10/2042	8/31/2043
Cast-in-place station box structure	64 wks	10/3/2045	12/24/2046
MEP and Architectural finish work	56 wks	12/25/2046	1/20/2048
Backfill, exterior entry, and surface restoration	52 wks	3/19/2047	3/16/2048
Double Crossover	329 wks	9/3/2041	12/23/2047
Demolition, utility relocation, and site preparation	64 wks	9/3/2041	11/24/2042
Shoring and excavation	64 wks	6/10/2042	8/31/2043
Cast-in-place station box structure	64 wks	10/3/2045	12/24/2046
Backfill, exterior entry, and surface restoration	52 wks	12/25/2046	12/23/2047
New Maintenance and Storage Facility	208 wks	11/8/2044	11/2/2048
Demolition, grading, and site preparation	52 wks	11/8/2044	11/6/2045
Facility structures, trackwork, and systems	156 wks	11/7/2045	11/2/2048
Alignment Start-up	104 wks	11/3/2048	10/31/2050
Systems testing and commissioning	104 wks	11/3/2048	10/31/2050
Milestone: Early Revenue Service Date - Section 2	0 wks	10/31/2050	10/31/2050

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			0
Notice to Proceed	0			0
Mobilization	0			0
Hollywood Bowl Station and Crossovers	94	9/10/2041	5/31/2049	2015
Shaft Excavation	67	9/10/2041	3/25/2047	1445
Demolition, utility relocation, and site preparation	5	9/10/2041	1/27/2042	100
Construct excavation structure (Miner Rd)	24	1/28/2042	1/25/2044	520
Shoring and excavation	10	1/28/2042	11/9/2042	204
Cast-in-place station box structure	10	11/9/2042	8/21/2043	205
MEP and Architectural finish work	5	8/21/2043	1/25/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/27/2044	3/25/2047	650
Shoring and excavation	12	9/27/2044	9/22/2045	259
Cast-in-place station box structure	12	9/22/2045	9/17/2046	257
MEP and Architectural finish work	6	9/17/2046	3/25/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/29/2048	3/29/2049	65
Conventional Tunneling	42	1/26/2044	7/8/2047	900
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	1/26/2044	2/6/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	2/5/2047	7/8/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	2/13/2045	5/26/2045	75
SEM Construction (Staggered Crews)	42	12/27/2044	6/22/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/27/2044	12/11/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	12/12/2045	2/4/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	7/9/2047	6/22/2048	250
Crosspassage	4	10/10/2044	2/6/2045	86
Crosspassage excavations (HH to Miner Rd)	4	*10/10/2044*	*2/6/2045*	86
Trackwork	10	6/23/2048	5/3/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	*6/23/2048*	*5/3/2049*	225
Station	26	2/5/2047	3/29/2049	560
Cast-in-place station/crossover structure	12	2/5/2047	2/3/2048	260
MEP and Architectural finish work	14	2/4/2048	3/29/2049	300
West Entrance	27	3/26/2047	5/31/2049	570
Demolition, utility relocation, and site preparation	6	3/26/2047	9/23/2047	130
Shoring and excavation	6	9/24/2047	3/23/2048	130
Cast-in-place station box structure	6	3/24/2048	9/21/2048	130
MEP and Architectural finish work	5	9/22/2048	2/8/2049	100
Backfill, exterior entry, and surface restoration	4	2/9/2049	5/31/2049	80

Note: not consistent with the dates in the schedule

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start (Calculated)	End (Calculated)	Duration (days) (Calculated)
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	9/10/2041	11/9/2041	44
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	9/10/2041	11/9/2041	44
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	9/10/2041	11/9/2041	44
Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	11/10/2041	1/27/2042	56
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	11/10/2041	1/27/2042	56
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	11/10/2041	1/27/2042	56
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	11/10/2041	1/27/2042	56
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	11/10/2041	1/27/2042	56
Shoring - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	1/28/2042	3/10/2042	30
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	1/28/2042	3/10/2042	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	1/28/2042	3/10/2042	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	1/28/2042	3/10/2042	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	1/28/2042	3/10/2042	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	1/28/2042	3/10/2042	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	1/28/2042	3/10/2042	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	1/28/2042	3/10/2042	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	1/28/2042	3/10/2042	30

Excavation - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/11/2042	11/9/2042	174
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	3/11/2042	11/9/2042	174
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/11/2042	11/9/2042	174
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	3/11/2042	11/9/2042	174
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	3/11/2042	11/9/2042	174
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	3/11/2042	11/9/2042	174
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	3/11/2042	11/9/2042	174
Cast-in-place station box structure - Shaft (Miner Rd)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/9/2042	8/21/2043	205
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	11/9/2042	8/21/2043	205
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	11/9/2042	8/21/2043	205
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	11/9/2042	8/21/2043	205
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	11/9/2042	8/21/2043	205
MEP and Architectural finish work - Shaft (Miner Rd)											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/21/2043	1/25/2044	112
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/21/2043	1/25/2044	112
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/21/2043	1/25/2044	112
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/21/2043	1/25/2044	112
Shoring - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/27/2044	11/7/2044	30
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	9/27/2044	11/7/2044	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/27/2044	11/7/2044	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/27/2044	11/7/2044	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/27/2044	11/7/2044	30
Decking -3 Weekends (Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/8/2044	11/29/2044	9
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	11/8/2044	11/29/2044	9
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	11/8/2044	11/29/2044	9
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	11/8/2044	11/29/2044	9
Excavation - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/30/2044	9/22/2045	213
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	11/30/2044	9/22/2045	213
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	11/30/2044	9/22/2045	213
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/30/2044	9/22/2045	213
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	11/30/2044	9/22/2045	213
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	11/30/2044	9/22/2045	213
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	9/22/2045	9/17/2046	257
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	9/22/2045	9/17/2046	257
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	9/22/2045	9/17/2046	257
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	9/22/2045	9/17/2046	257
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/22/2045	9/17/2046	257
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/17/2046	3/25/2047	136
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/17/2046	3/25/2047	136

Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/29/2048	3/29/2049	65
Decking removal -3 weekends (Shaft Pilgrimage Bridge)											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/13/2049	2/3/2049	9
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	1/13/2049	2/3/2049	9
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	1/13/2049	2/3/2049	9
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	1/13/2049	2/3/2049	9
Conventional Tunneling - Miner Rd to Franklin Pl											
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	1/26/2044	2/6/2045	270
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	1/26/2044	2/6/2045	270
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	1/26/2044	2/6/2045	270
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	1/26/2044	2/6/2045	270
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	1/26/2044	2/6/2045	270
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	1/26/2044	2/6/2045	270
Conventional Tunneling - Station to North Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	2/5/2047	7/8/2047	110
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	2/5/2047	7/8/2047	110
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	2/5/2047	7/8/2047	110
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	2/5/2047	7/8/2047	110
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	2/5/2047	7/8/2047	110
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	2/5/2047	7/8/2047	110
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	2/5/2047	7/8/2047	110
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	2/5/2047	7/8/2047	110
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	2/5/2047	7/8/2047	110
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/5/2047	7/8/2047	110
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	2/5/2047	7/8/2047	110
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	2/5/2047	7/8/2047	110
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	2/5/2047	7/8/2047	110
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	2/5/2047	7/8/2047	110
Conventional Tunneling - North Double Crossover to North Shaft											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	2/13/2045	5/26/2045	75
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	2/13/2045	5/26/2045	75
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	2/13/2045	5/26/2045	75
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	2/13/2045	5/26/2045	75
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	2/13/2045	5/26/2045	75
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	2/13/2045	5/26/2045	75
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	2/13/2045	5/26/2045	75
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	2/13/2045	5/26/2045	75
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	2/13/2045	5/26/2045	75
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	2/13/2045	5/26/2045	75
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	2/13/2045	5/26/2045	75
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	2/13/2045	5/26/2045	75

SEM Construction - South Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	12/27/2044	12/11/2045	250
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	12/27/2044	12/11/2045	250
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	12/27/2044	12/11/2045	250
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	12/27/2044	12/11/2045	250
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	12/27/2044	12/11/2045	250
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	12/27/2044	12/11/2045	250
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	12/27/2044	12/11/2045	250
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	12/27/2044	12/11/2045	250
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	12/27/2044	12/11/2045	250
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	12/27/2044	12/11/2045	250
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	12/27/2044	12/11/2045	250
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	12/27/2044	12/11/2045	250
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	12/27/2044	12/11/2045	250
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	12/27/2044	12/11/2045	250
SEM Construction - Station Structure											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	12/12/2045	2/4/2047	300
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	12/12/2045	2/4/2047	300
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	12/12/2045	2/4/2047	300
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	12/12/2045	2/4/2047	300
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	12/12/2045	2/4/2047	300
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	12/12/2045	2/4/2047	300
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	12/12/2045	2/4/2047	300
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	12/12/2045	2/4/2047	300
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	12/12/2045	2/4/2047	300
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	12/12/2045	2/4/2047	300
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	12/12/2045	2/4/2047	300
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	12/12/2045	2/4/2047	300
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	12/12/2045	2/4/2047	300
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	12/12/2045	2/4/2047	300
SEM Construction - North Double Crossover											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	7/9/2047	6/22/2048	250
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	7/9/2047	6/22/2048	250
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	7/9/2047	6/22/2048	250
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	7/9/2047	6/22/2048	250
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	7/9/2047	6/22/2048	250
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	7/9/2047	6/22/2048	250
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	7/9/2047	6/22/2048	250
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	7/9/2047	6/22/2048	250
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	7/9/2047	6/22/2048	250
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/9/2047	6/22/2048	250
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	7/9/2047	6/22/2048	250
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	7/9/2047	6/22/2048	250
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	7/9/2047	6/22/2048	250
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	7/9/2047	6/22/2048	250

Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	10/10/2044	2/6/2045	86
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	10/10/2044	2/6/2045	86
Excavator-120	Tier 2	90	Diesel	2	0.25	8	2	4	10/10/2044	2/6/2045	86
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	10/10/2044	2/6/2045	86
Ventilation Plant-250	Fleet Average	200	Electric	1	1.00	24	24	24	10/10/2044	2/6/2045	86
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.05	8	0	0	10/10/2044	2/6/2045	86
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.20	8	2	2	10/10/2044	2/6/2045	86
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	10/10/2044	2/6/2045	86
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.20	10	2	2	10/10/2044	2/6/2045	86
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	10	3	3	10/10/2044	2/6/2045	86
Water Treatment Plant-120	Fleet Average	100	Electric	1	1.00	24	24	24	10/10/2044	2/6/2045	86
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/23/2048	5/3/2049	225
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/23/2048	5/3/2049	225
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/23/2048	5/3/2049	225
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/23/2048	5/3/2049	225
Demolition - West Entrance											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	3/26/2047	6/9/2047	54
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	3/26/2047	6/9/2047	54
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	3/26/2047	6/9/2047	54
Utility Relocation & Site Praparaton - West Entrance											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	6/9/2047	9/23/2047	76
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/9/2047	9/23/2047	76
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	6/9/2047	9/23/2047	76
Shoring - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/24/2047	11/4/2047	30
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	9/24/2047	11/4/2047	30
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/24/2047	11/4/2047	30
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/24/2047	11/4/2047	30
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/24/2047	11/4/2047	30
Excavation - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/5/2047	3/23/2048	100
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	11/5/2047	3/23/2048	100
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	11/5/2047	3/23/2048	100
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/5/2047	3/23/2048	100
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	11/5/2047	3/23/2048	100
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	8	4	4	11/5/2047	3/23/2048	100
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	8	4	4	11/5/2047	3/23/2048	100

Cast-in-place station box structure - West Entrance											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/24/2048	9/21/2048	130
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/24/2048	9/21/2048	130
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/24/2048	9/21/2048	130
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/24/2048	9/21/2048	130
MEP and Architectural finish work - West Entrance											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/22/2048	2/8/2049	100
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/22/2048	2/8/2049	100
Backfill - West Entrance											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/9/2049	3/17/2049	27
Surface restoration - West Entrance											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	3/18/2049	5/31/2049	53
Cast-in-place station cavern structure - Station & Crossovers											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/5/2047	2/3/2048	260
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/5/2047	2/3/2048	260
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/5/2047	2/3/2048	260
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/5/2047	2/3/2048	260
MEP and Architectural finish work - Station & Crossovers											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/4/2048	3/29/2049	300
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/4/2048	3/29/2049	300

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			0
Notice to Proceed	0			0
Mobilization	0			0
Hollywood Bowl Station and Crossovers	94	9/10/2041	5/31/2049	2015
Shaft Excavation	67	9/10/2041	3/25/2047	1445
Demolition, utility relocation, and site preparation	5	9/10/2041	1/27/2042	100
Construct excavation structure (Miner Rd)	24	1/28/2042	1/25/2044	520
Shoring and excavation	10	1/28/2042	11/9/2042	204
Cast-in-place station box structure	10	11/9/2042	8/21/2043	205
MEP and Architectural finish work	5	8/21/2043	1/25/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/27/2044	3/25/2047	650
Shoring and excavation	12	9/27/2044	9/22/2045	259
Cast-in-place station box structure	12	9/22/2045	9/17/2046	257
MEP and Architectural finish work	6	9/17/2046	3/25/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/29/2048	3/29/2049	65
Conventional Tunneling	42	1/26/2044	7/8/2047	900
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	1/26/2044	2/6/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	2/5/2047	7/8/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	2/13/2045	5/26/2045	75
SEM Construction (Staggered Crews)	42	12/27/2044	6/22/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/27/2044	12/11/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	12/12/2045	2/4/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	7/9/2047	6/22/2048	250
Crosspassage	4	10/10/2044	2/6/2045	86
Crosspassage excavations (HH to Miner Rd)	4	10/10/2044	2/6/2045	86
Trackwork	10	6/23/2048	5/3/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	6/23/2048	5/3/2049	225
Station	26	2/5/2047	3/29/2049	560
Cast-in-place station/crossover structure	12	2/5/2047	2/3/2048	260
MEP and Architectural finish work	14	2/4/2048	3/29/2049	300
West Entrance	27	3/26/2047	5/31/2049	570
Demolition, utility relocation, and site preparation	6	3/26/2047	9/23/2047	130
Shoring and excavation	6	9/24/2047	3/23/2048	130
Cast-in-place station box structure	6	3/24/2048	9/21/2048	130
MEP and Architectural finish work	5	9/22/2048	2/8/2049	100
Backfill, exterior entry, and surface restoration	4	2/9/2049	5/31/2049	80

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/10/2041	11/9/2041	44
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	9/10/2041	11/9/2041	44
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	9/10/2041	11/9/2041	44
Truck Loading on site - idling	Number of Vehicles	4	12	9/10/2041	11/9/2041	44
Trucks Traveling on site	Number of Vehicles	4	Paved	9/10/2041	11/9/2041	44
Deliveries on site - idling	Number of Vehicles	0		9/10/2041	11/9/2041	44
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	9/10/2041	11/9/2041	44
Cement Trucks - idling	Number of Vehicles	0		9/10/2041	11/9/2041	44
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/10/2041	11/9/2041	44
Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/10/2041	1/27/2042	56
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/10/2041	1/27/2042	56
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	11/10/2041	1/27/2042	56
Truck Loading on site - idling	Number of Vehicles	0	12	11/10/2041	1/27/2042	56
Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/10/2041	1/27/2042	56
Deliveries on site - idling	Number of Vehicles	4		11/10/2041	1/27/2042	56
Deliveries Traveling on site	Number of Vehicles	4	Paved	11/10/2041	1/27/2042	56
Cement Trucks - idling	Number of Vehicles	0		11/10/2041	1/27/2042	56
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/10/2041	1/27/2042	56

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
0.35410864	15424.9724	2	30849.945	2005.2464	46	4

Miner Rd Footprint				Pilgrimage Rd Footprint			
Width (ft)	Length (ft)	Area (ft2)	Area (acres)	Width (ft)	Length (ft)	Area (ft2)	Area (acres)
70	130	9100	0.2089069	55	115	6325	0.1452018

Shoring - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/28/2042	3/10/2042	30									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/28/2042	3/10/2042	30									
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	1/28/2042	3/10/2042	30									
Truck Loading on site - idling	Number of Vehicles	5	12	1/28/2042	3/10/2042	30									
Trucks Traveling on site	Number of Vehicles	5	Unpaved	1/28/2042	3/10/2042	30									
Deliveries on site - idling	Number of Vehicles	1		1/28/2042	3/10/2042	30									
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	1/28/2042	3/10/2042	30									
Cement Trucks - idling	Number of Vehicles	7		1/28/2042	3/10/2042	30									
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	1/28/2042	3/10/2042	30									
Excavation - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/11/2042	11/9/2042	174	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	3/11/2042	11/9/2042	174	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	220	Dirt	3/11/2042	11/9/2042	174	70	130	30	273000	16380	94	5	Soil	
Truck Loading on site - idling	Number of Vehicles	11	20	3/11/2042	11/9/2042	174	70	130	55	500500	37537.5	216	11	Rock	
Trucks Traveling on site	Number of Vehicles	11	Paved	3/11/2042	11/9/2042	174							11	Max	
Deliveries on site - idling	Number of Vehicles	0		3/11/2042	11/9/2042	174									
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/11/2042	11/9/2042	174									
Cement Trucks - idling	Number of Vehicles	0		3/11/2042	11/9/2042	174									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/11/2042	11/9/2042	174									
Cast-in-place station box structure - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/9/2042	8/21/2043	205									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/9/2042	8/21/2043	205									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/9/2042	8/21/2043	205									
Truck Loading on site - idling	Number of Vehicles	0	12	11/9/2042	8/21/2043	205									
Trucks Traveling on site	Number of Vehicles	0	Paved	11/9/2042	8/21/2043	205									
Deliveries on site - idling	Number of Vehicles	0		11/9/2042	8/21/2043	205									
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/9/2042	8/21/2043	205									
Cement Trucks - idling	Number of Vehicles	4		11/9/2042	8/21/2043	205									
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	11/9/2042	8/21/2043	205									
MEP and Architectural finish work - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/21/2043	1/25/2044	112									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/21/2043	1/25/2044	112									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/21/2043	1/25/2044	112									
Truck Loading on site - idling	Number of Vehicles	0	12	8/21/2043	1/25/2044	112									
Trucks Traveling on site	Number of Vehicles	0	Paved	8/21/2043	1/25/2044	112									
Deliveries on site - idling	Number of Vehicles	4		8/21/2043	1/25/2044	112									
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/21/2043	1/25/2044	112									
Cement Trucks - idling	Number of Vehicles	0		8/21/2043	1/25/2044	112									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/21/2043	1/25/2044	112									
Shoring - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/27/2044	11/7/2044	30	1.4								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/27/2044	11/7/2044	30									
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/27/2044	11/7/2044	30									
Truck Loading on site - idling	Number of Vehicles	5	12	9/27/2044	11/7/2044	30									
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/27/2044	11/7/2044	30									
Deliveries on site - idling	Number of Vehicles	1		9/27/2044	11/7/2044	30									
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/27/2044	11/7/2044	30									
Cement Trucks - idling	Number of Vehicles	7		9/27/2044	11/7/2044	30									
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/27/2044	11/7/2044	30									
Decking -3 Weekends -Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2044	11/29/2044	9	318								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/8/2044	11/29/2044	9									
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	11/8/2044	11/29/2044	9									
Truck Loading on site - idling	Number of Vehicles	0	12	11/8/2044	11/29/2044	9									
Trucks Traveling on site	Number of Vehicles	0	Unpaved	11/8/2044	11/29/2044	9									
Deliveries on site - idling	Number of Vehicles	5		11/8/2044	11/29/2044	9									
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	11/8/2044	11/29/2044	9									
Cement Trucks - idling	Number of Vehicles	0		11/8/2044	11/29/2044	9									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2044	11/29/2044	9									

Excavation - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/30/2044	9/22/2045	213
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/30/2044	9/22/2045	213
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	11/30/2044	9/22/2045	213
Truck Loading on site - idling	Number of Vehicles	14	20	11/30/2044	9/22/2045	213
Trucks Traveling on site	Number of Vehicles	14	Paved	11/30/2044	9/22/2045	213
Deliveries on site - idling	Number of Vehicles	0		11/30/2044	9/22/2045	213
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/30/2044	9/22/2045	213
Cement Trucks - idling	Number of Vehicles	0		11/30/2044	9/22/2045	213
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/30/2044	9/22/2045	213
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/22/2045	9/17/2046	257
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/22/2045	9/17/2046	257
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/22/2045	9/17/2046	257
Truck Loading on site - idling	Number of Vehicles	0	12	9/22/2045	9/17/2046	257
Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2045	9/17/2046	257
Deliveries on site - idling	Number of Vehicles	0		9/22/2045	9/17/2046	257
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/22/2045	9/17/2046	257
Cement Trucks - idling	Number of Vehicles	4		9/22/2045	9/17/2046	257
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	9/22/2045	9/17/2046	257
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/17/2046	3/25/2047	136
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/17/2046	3/25/2047	136
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/17/2046	3/25/2047	136
Truck Loading on site - idling	Number of Vehicles	0	12	9/17/2046	3/25/2047	136
Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2046	3/25/2047	136
Deliveries on site - idling	Number of Vehicles	4		9/17/2046	3/25/2047	136
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/17/2046	3/25/2047	136
Cement Trucks - idling	Number of Vehicles	0		9/17/2046	3/25/2047	136
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/17/2046	3/25/2047	136
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/29/2048	3/29/2049	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/29/2048	3/29/2049	65
Truck Loading Dust	Tons of material being loaded per day	84	Dirt	12/29/2048	3/29/2049	65
Truck Loading on site - idling	Number of Vehicles	7	12	12/29/2048	3/29/2049	65
Trucks Traveling on site	Number of Vehicles	7	Paved	12/29/2048	3/29/2049	65
Deliveries on site - idling	Number of Vehicles	0		12/29/2048	3/29/2049	65
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/29/2048	3/29/2049	65
Cement Trucks - idling	Number of Vehicles	0		12/29/2048	3/29/2049	65
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/29/2048	3/29/2049	65
Decking removal - 3 weekends (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/13/2049	2/3/2049	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/13/2049	2/3/2049	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/13/2049	2/3/2049	9
Truck Loading on site - idling	Number of Vehicles	0	12	1/13/2049	2/3/2049	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/13/2049	2/3/2049	9
Deliveries on site - idling	Number of Vehicles	7		1/13/2049	2/3/2049	9
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	1/13/2049	2/3/2049	9
Cement Trucks - idling	Number of Vehicles	0		1/13/2049	2/3/2049	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/13/2049	2/3/2049	9
Conventional Tunneling - Miner Rd to Franklin Pl						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/26/2044	2/6/2045	270
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	1/26/2044	2/6/2045	270
Truck Loading Dust	Tons of material being loaded per day	480	Dirt	1/26/2044	2/6/2045	270
Truck Loading on site - idling	Number of Vehicles	24	20	1/26/2044	2/6/2045	270
Trucks Traveling on site	Number of Vehicles	24	Paved	1/26/2044	2/6/2045	270
Deliveries on site - idling	Number of Vehicles	17		1/26/2044	2/6/2045	270
Deliveries Traveling on site	Number of Vehicles	17	Paved	1/26/2044	2/6/2045	270
Cement Trucks - idling	Number of Vehicles	4		1/26/2044	2/6/2045	270
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	1/26/2044	2/6/2045	270
Conventional Tunneling - Station to North Double Crossover						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	7/8/2047	110
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/5/2047	7/8/2047	110
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	2/5/2047	7/8/2047	110
Truck Loading on site - idling	Number of Vehicles	14	20	2/5/2047	7/8/2047	110
Trucks Traveling on site	Number of Vehicles	14	Paved	2/5/2047	7/8/2047	110
Deliveries on site - idling	Number of Vehicles	17		2/5/2047	7/8/2047	110
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/5/2047	7/8/2047	110
Cement Trucks - idling	Number of Vehicles	4		2/5/2047	7/8/2047	110
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/5/2047	7/8/2047	110

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
55	115	10	63250	3795	18	1	Soil
55	115	120	759000	56925	267	13	Rock
						13	Max

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
--	--	--	79787.5	4787.25	74	6

Miner Rd Footprint				Pilgrimage Rd Footprint			
Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3)	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3
70	130	85	773500	55	115	130	822250

	3930	7860

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
26	1565	530.92916	1661808.3	124635.62	462	23
End	3725					
Begin	2160					

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
22	525	380.13271	399139.35	29935.451	272	14
End	5335					
Begin	4810					

Conventional Tunneling - North Double Crossover to North Shaft															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/13/2045	5/26/2045	75	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/13/2045	5/26/2045	75	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	240	Dirt	2/13/2045	5/26/2045	75	22	310	380.13271	235682.28	17676.171	236	12		
Truck Loading on site - idling	Number of Vehicles	12	20	2/13/2045	5/26/2045	75									
Trucks Traveling on site	Number of Vehicles	12	Paved	2/13/2045	5/26/2045	75	End	6140							
Deliveries on site - idling	Number of Vehicles	17		2/13/2045	5/26/2045	75	Begin	5830							
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/13/2045	5/26/2045	75									
Cement Trucks - idling	Number of Vehicles	4		2/13/2045	5/26/2045	75									
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/13/2045	5/26/2045	75									
SEM Construction - South Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	12/11/2045	250	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	12/27/2044	12/11/2045	250	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	440	Dirt	12/27/2044	12/11/2045	250	70	43	2364.0485	1453889.8	109041.74	436	22		
Truck Loading on site - idling	Number of Vehicles	22	20	12/27/2044	12/11/2045	250		615							
Trucks Traveling on site	Number of Vehicles	22	Paved	12/27/2044	12/11/2045	250	End	4390							
Deliveries on site - idling	Number of Vehicles	17		12/27/2044	12/11/2045	250	Begin	3775							
Deliveries Traveling on site	Number of Vehicles	17	Paved	12/27/2044	12/11/2045	250									
Cement Trucks - idling	Number of Vehicles	0		12/27/2044	12/11/2045	250									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	12/11/2045	250									
SEM Construction - Station Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/12/2045	2/4/2047	300	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	12/12/2045	2/4/2047	300	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	260	Dirt	12/12/2045	2/4/2047	300	70	43	2364.0485	992900.36	74467.527	248	12		
Truck Loading on site - idling	Number of Vehicles	13	20	12/12/2045	2/4/2047	300		420							
Trucks Traveling on site	Number of Vehicles	13	Paved	12/12/2045	2/4/2047	300	End	4810							
Deliveries on site - idling	Number of Vehicles	17		12/12/2045	2/4/2047	300	Begin	4390							
Deliveries Traveling on site	Number of Vehicles	17	Paved	12/12/2045	2/4/2047	300									
Cement Trucks - idling	Number of Vehicles	0		12/12/2045	2/4/2047	300									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/12/2045	2/4/2047	300									
SEM Construction - North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/9/2047	6/22/2048	250	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	7/9/2047	6/22/2048	250	Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	360	Dirt	7/9/2047	6/22/2048	250	70	43	2364.0485	1170204	87765.3	351	18		
Truck Loading on site - idling	Number of Vehicles	18	20	7/9/2047	6/22/2048	250		495							
Trucks Traveling on site	Number of Vehicles	18	Paved	7/9/2047	6/22/2048	250	End	5830							
Deliveries on site - idling	Number of Vehicles	17		7/9/2047	6/22/2048	250	Begin	5335							
Deliveries Traveling on site	Number of Vehicles	17	Paved	7/9/2047	6/22/2048	250									
Cement Trucks - idling	Number of Vehicles	0		7/9/2047	6/22/2048	250									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/9/2047	6/22/2048	250									
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/10/2044	2/6/2045	86	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	10/10/2044	2/6/2045	86	Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	10/10/2044	2/6/2045	86	12	60	12	8640	518.4	6	1		
Truck Loading on site - idling	Number of Vehicles	1	12	10/10/2044	2/6/2045	86							# Assumed 3 cross-passages.		
Trucks Traveling on site	Number of Vehicles	1	Paved	10/10/2044	2/6/2045	86									
Deliveries on site - idling	Number of Vehicles	0		10/10/2044	2/6/2045	86									
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/10/2044	2/6/2045	86									
Cement Trucks - idling	Number of Vehicles	1		10/10/2044	2/6/2045	86									
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	10/10/2044	2/6/2045	86									
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/23/2048	5/3/2049	225									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/23/2048	5/3/2049	225									
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/23/2048	5/3/2049	225									
Truck Loading on site - idling	Number of Vehicles	0	12	6/23/2048	5/3/2049	225									
Trucks Traveling on site	Number of Vehicles	0	Paved	6/23/2048	5/3/2049	225									
Deliveries on site - idling	Number of Vehicles	7		6/23/2048	5/3/2049	225									
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/23/2048	5/3/2049	225									
Cement Trucks - idling	Number of Vehicles	0		6/23/2048	5/3/2049	225									
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/23/2048	5/3/2049	225									
Demolition - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/26/2047	6/9/2047	54	Excavation Quantity								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	3/26/2047	6/9/2047	54	Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	3/26/2047	6/9/2047	54	0.4132224	17999.9677	2	35999.935	2339.9958	43	4		
Truck Loading on site - idling	Number of Vehicles	4	12	3/26/2047	6/9/2047	54									
Trucks Traveling on site	Number of Vehicles	4	Paved	3/26/2047	6/9/2047	54	West Entrance Footprint								
Deliveries on site - idling	Number of Vehicles	0		3/26/2047	6/9/2047	54	Width (ft)	Length (ft)	Area (ft2)	Area (acres)					
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/26/2047	6/9/2047	54	90	200	18000	0.4132224					
Cement Trucks - idling	Number of Vehicles	0		3/26/2047	6/9/2047	54									
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/26/2047	6/9/2047	54									

Utility Relocation & Site Praparaton - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/9/2047	9/23/2047	76
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/9/2047	9/23/2047	76
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/9/2047	9/23/2047	76
Truck Loading on site - idling	Number of Vehicles	0	12	6/9/2047	9/23/2047	76
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/9/2047	9/23/2047	76
Deliveries on site - idling	Number of Vehicles	4		6/9/2047	9/23/2047	76
Deliveries Traveling on site	Number of Vehicles	4	Paved	6/9/2047	9/23/2047	76
Cement Trucks - idling	Number of Vehicles	0		6/9/2047	9/23/2047	76
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/9/2047	9/23/2047	76
Shoring - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/24/2047	11/4/2047	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/24/2047	11/4/2047	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/24/2047	11/4/2047	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/24/2047	11/4/2047	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/24/2047	11/4/2047	30
Deliveries on site - idling	Number of Vehicles	1		9/24/2047	11/4/2047	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/24/2047	11/4/2047	30
Cement Trucks - idling	Number of Vehicles	7		9/24/2047	11/4/2047	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/24/2047	11/4/2047	30
Excavation - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/5/2047	3/23/2048	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/5/2047	3/23/2048	100
Truck Loading Dust	Tons of material being loaded per day	660	Dirt	11/5/2047	3/23/2048	100
Truck Loading on site - idling	Number of Vehicles	33	20	11/5/2047	3/23/2048	100
Trucks Traveling on site	Number of Vehicles	33	Paved	11/5/2047	3/23/2048	100
Deliveries on site - idling	Number of Vehicles	0		11/5/2047	3/23/2048	100
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/5/2047	3/23/2048	100
Cement Trucks - idling	Number of Vehicles	0		11/5/2047	3/23/2048	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/5/2047	3/23/2048	100
Cast-in-place station box structure - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/24/2048	9/21/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/24/2048	9/21/2048	130
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/24/2048	9/21/2048	130
Truck Loading on site - idling	Number of Vehicles	0	12	3/24/2048	9/21/2048	130
Trucks Traveling on site	Number of Vehicles	0	Paved	3/24/2048	9/21/2048	130
Deliveries on site - idling	Number of Vehicles	0		3/24/2048	9/21/2048	130
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/24/2048	9/21/2048	130
Cement Trucks - idling	Number of Vehicles	4		3/24/2048	9/21/2048	130
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	3/24/2048	9/21/2048	130
MEP and Architectural finish work - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/22/2048	2/8/2049	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/22/2048	2/8/2049	100
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/22/2048	2/8/2049	100
Truck Loading on site - idling	Number of Vehicles	0	12	9/22/2048	2/8/2049	100
Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2048	2/8/2049	100
Deliveries on site - idling	Number of Vehicles	4		9/22/2048	2/8/2049	100
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/22/2048	2/8/2049	100
Cement Trucks - idling	Number of Vehicles	0		9/22/2048	2/8/2049	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/22/2048	2/8/2049	100
Backfill - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/9/2049	3/17/2049	27
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/9/2049	3/17/2049	27
Truck Loading Dust	Tons of material being loaded per day	804	Dirt	2/9/2049	3/17/2049	27
Truck Loading on site - idling	Number of Vehicles	67	12	2/9/2049	3/17/2049	27
Trucks Traveling on site	Number of Vehicles	67	Paved	2/9/2049	3/17/2049	27
Deliveries on site - idling	Number of Vehicles	0		2/9/2049	3/17/2049	27
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/9/2049	3/17/2049	27
Cement Trucks - idling	Number of Vehicles	0		2/9/2049	3/17/2049	27
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/9/2049	3/17/2049	27
Surface restoration - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/18/2049	5/31/2049	53
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/18/2049	5/31/2049	53
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/18/2049	5/31/2049	53
Truck Loading on site - idling	Number of Vehicles	0	12	3/18/2049	5/31/2049	53
Trucks Traveling on site	Number of Vehicles	0	Paved	3/18/2049	5/31/2049	53
Deliveries on site - idling	Number of Vehicles	6		3/18/2049	5/31/2049	53
Deliveries Traveling on site	Number of Vehicles	6	Paved	3/18/2049	5/31/2049	53
Cement Trucks - idling	Number of Vehicles	0		3/18/2049	5/31/2049	53
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/18/2049	5/31/2049	53

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
90	200	30	540000	32400	324	16	Soil
90	200	40	864000	64800	648	32	Rock
						32	Max

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
90	200	20	360000	21600	800	67

Cast-in-place station cavern structure - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2047	2/3/2048	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/5/2047	2/3/2048	260
Truck Loading on site - idling	Number of Vehicles	0	12	2/5/2047	2/3/2048	260
Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Deliveries on site - idling	Number of Vehicles	0		2/5/2047	2/3/2048	260
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/5/2047	2/3/2048	260
Cement Trucks - idling	Number of Vehicles	4		2/5/2047	2/3/2048	260
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	2/5/2047	2/3/2048	260
MEP and Architectural finish work - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/4/2048	3/29/2049	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/4/2048	3/29/2049	300
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/4/2048	3/29/2049	300
Truck Loading on site - idling	Number of Vehicles	0	12	2/4/2048	3/29/2049	300
Trucks Traveling on site	Number of Vehicles	0	Paved	2/4/2048	3/29/2049	300
Deliveries on site - idling	Number of Vehicles	4		2/4/2048	3/29/2049	300
Deliveries Traveling on site	Number of Vehicles	4	Paved	2/4/2048	3/29/2049	300
Cement Trucks - idling	Number of Vehicles	0		2/4/2048	3/29/2049	300
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/4/2048	3/29/2049	300

Hollywood Bowl Station and Crossovers	403 wks	9/10/2041	5/31/2049
Shaft Excavation	289 wks	9/10/2041	3/25/2047
Demolition, utility relocation, and site preparation	20 wks	9/10/2041	1/27/2042
Construct excavation structure (Miner Rd)	104 wks	1/28/2042	1/25/2044
Construct excavation structure (Pilgrimage Bridge)	130 wks	9/27/2044	3/25/2047
Conventional Tunneling	180 wks	1/26/2044	7/8/2047
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	54 wks	1/26/2044	2/6/2045
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	22 wks	2/5/2047	7/8/2047
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	15 wks	3/26/2047	7/8/2047
SEM Construction (Staggered Crews)	182 wks	12/27/2044	6/22/2048
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	50 wks	12/27/2044	12/11/2045
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	60 wks	12/12/2045	2/4/2047
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	50 wks	7/9/2047	6/22/2048
Trackwork	45 wks	6/23/2048	5/3/2049
Trackwork, track systems, and structural concrete (HH to HB)	45 wks	6/23/2048	5/3/2049
Station	112 wks	2/5/2047	3/29/2049
Cast-in-place station/crossover structure	52 wks	2/5/2047	2/3/2048
MEP and Architectural finish work	60 wks	2/4/2048	3/29/2049
West Entrance	114 wks	3/26/2047	5/31/2049
Demolition, utility relocation, and site preparation	26 wks	3/26/2047	9/23/2047
Shoring and excavation	26 wks	9/24/2047	3/23/2048
Cast-in-place station box structure	26 wks	3/24/2048	9/21/2048
MEP and Architectural finish work	20 wks	9/22/2048	2/8/2049
Backfill, exterior entry, and surface restoration	16 wks	2/9/2049	5/31/2049

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
Maintenance and Storage Facility Expansion (Div 16)	12	10/15/2047	10/12/2048
Demolition, grading, and site preparation at Existing Div. 16 Facility	6	10/15/2047	4/13/2048
Trackwork and systems	6	4/14/2048	10/12/2048

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ. (Calculated)	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	10/15/2047	4/13/2048	130
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	10/15/2047	4/13/2048	130
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	10/15/2047	4/13/2048	130
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	10/15/2047	4/13/2048	130
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	10/15/2047	4/13/2048	130
Trackwork and systems											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	4/14/2048	10/12/2048	130
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	4/14/2048	10/12/2048	130
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	4/14/2048	10/12/2048	130
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	4/14/2048	10/12/2048	130
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	4/14/2048	10/12/2048	130

2/12/2041	8/12/2041	130	5	15	1950		
8/13/2041	12/21/2041	94	9	27	2538	6.4569536	
1/1/2042	2/10/2042	29	9	27	783	2.5015974	

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
Maintenance and Storage Facility Expansion (Div 16)	12	10/15/2047	10/12/2048
Demolition, grading, and site preparation at Existing Div. 16 Facility	6	10/15/2047	4/13/2048
Trackwork and systems	6	4/14/2048	10/12/2048

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/15/2047	4/13/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	10/15/2047	4/13/2048	130
Truck Loading Dust	Tons of material being loaded per day	120	Aggregate	10/15/2047	4/13/2048	130
Truck Loading on site - idling	Number of Vehicles	10	12	10/15/2047	4/13/2048	130
Trucks Traveling on site	Number of Vehicles	10	Paved	10/15/2047	4/13/2048	130
Deliveries on site - idling	Number of Vehicles	0		10/15/2047	4/13/2048	130
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	10/15/2047	4/13/2048	130
Cement Trucks - idling	Number of Vehicles	0		10/15/2047	4/13/2048	130
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/15/2047	4/13/2048	130
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/14/2048	10/12/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/14/2048	10/12/2048	130
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	4/14/2048	10/12/2048	130
Truck Loading on site - idling	Number of Vehicles	2	12	4/14/2048	10/12/2048	130
Trucks Traveling on site	Number of Vehicles	2	Paved	4/14/2048	10/12/2048	130
Deliveries on site - idling	Number of Vehicles	7		4/14/2048	10/12/2048	130
Deliveries Traveling on site	Number of Vehicles	7	Paved	4/14/2048	10/12/2048	130
Cement Trucks - idling	Number of Vehicles	0		4/14/2048	10/12/2048	130
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/14/2048	10/12/2048	130

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
La Brea/Wilshire Station and Crossover	68	9/23/2042	4/13/2048	1450
Station	68	9/23/2042	4/13/2048	1450
Demolition, utility relocation, and site preparation	17	9/23/2042	2/29/2044	375
Shoring and excavation	17	9/8/2043	2/13/2045	375
Cast-in-place station box structure	17	6/20/2045	11/26/2046	375
MEP and Architectural finish work	15	11/27/2046	2/17/2048	320
Backfill, exterior entry, and surface restoration	17	11/20/2046	4/13/2048	365

								Calculated			
Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	9/23/2042	2/20/2043	109
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	9/23/2042	2/20/2043	109
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	9/23/2042	2/20/2043	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	2/5/2043	2/29/2044	278
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	2/5/2043	2/29/2044	278
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	2/5/2043	2/29/2044	278
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/5/2043	2/29/2044	278
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	2/5/2043	2/29/2044	278
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	9/8/2043	3/10/2044	133
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	9/8/2043	3/10/2044	133
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	9/8/2043	3/10/2044	133
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	9/8/2043	3/10/2044	133
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	9/8/2043	3/10/2044	133
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	9/8/2043	3/10/2044	133
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	9/8/2043	3/10/2044	133
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	9/8/2043	3/10/2044	133
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	9/8/2043	3/10/2044	133
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/8/2043	3/10/2044	133
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/8/2043	3/10/2044	133
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	9/8/2043	3/10/2044	133
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/24/2044	5/18/2044	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/24/2044	5/18/2044	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/24/2044	5/18/2044	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/24/2044	5/18/2044	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/24/2044	5/18/2044	36
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	5/18/2044	2/13/2045	194
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	5/18/2044	2/13/2045	194
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/18/2044	2/13/2045	194
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	5/18/2044	2/13/2045	194
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	5/18/2044	2/13/2045	194
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	5/18/2044	2/13/2045	194
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	5/18/2044	2/13/2045	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	5/18/2044	2/13/2045	194
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	5/18/2044	2/13/2045	194

Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/20/2045	11/26/2046	375
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	6/20/2045	11/26/2046	375
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	6/20/2045	11/26/2046	375
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/20/2045	11/26/2046	375
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	6/20/2045	11/26/2046	375
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/20/2045	11/26/2046	375
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	11/27/2046	2/17/2048	320
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/27/2046	2/17/2048	320
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/27/2046	2/17/2048	320
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	11/27/2046	2/17/2048	320
Backfill											
	Fleet Average	285	Electric	1	0.50	8	4	4	11/20/2046	8/20/2047	196
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	11/20/2046	8/20/2047	196
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	11/20/2046	8/20/2047	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	11/20/2046	8/20/2047	196
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/6/2047	10/29/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	8/6/2047	10/29/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	8/6/2047	10/29/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	8/6/2047	10/29/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	8/6/2047	10/29/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	8/20/2047	4/13/2048	170
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	8/20/2047	4/13/2048	170
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	8/20/2047	4/13/2048	170
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	8/20/2047	4/13/2048	170

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
La Brea/Wilshire Station and Crossover	68	9/23/2042	4/13/2048	
Station	68	9/23/2042	4/13/2048	
Demolition, utility relocation, and site preparation	17	9/23/2042	2/29/2044	
Shoring and excavation	17	9/8/2043	2/13/2045	
Cast-in-place station box structure	17	6/20/2045	11/26/2046	
MEP and Architectural finish work	15	11/27/2046	2/17/2048	
Backfill, exterior entry, and surface restoration	17	11/20/2046	4/13/2048	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	2/20/2043	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	9/23/2042	2/20/2043	109
Truck Loading Dust	Tons of material being loaded per day	108	Aggregate	9/23/2042	2/20/2043	109
Truck Loading on site - idling	Number of Vehicles	9	12	9/23/2042	2/20/2043	109
Trucks Traveling on site	Number of Vehicles	9	Paved	9/23/2042	2/20/2043	109
Deliveries on site - idling	Number of Vehicles	0		9/23/2042	2/20/2043	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	9/23/2042	2/20/2043	109
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	2/20/2043	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/23/2042	2/20/2043	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2043	2/29/2044	278
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/5/2043	2/29/2044	278
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/5/2043	2/29/2044	278
Truck Loading on site - idling	Number of Vehicles	0	12	2/5/2043	2/29/2044	278
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/5/2043	2/29/2044	278
Deliveries on site - idling	Number of Vehicles	4		2/5/2043	2/29/2044	278
Deliveries Traveling on site	Number of Vehicles	4	Paved	2/5/2043	2/29/2044	278
Cement Trucks - idling	Number of Vehicles	0		2/5/2043	2/29/2044	278
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/5/2043	2/29/2044	278
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/8/2043	3/10/2044	133
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/8/2043	3/10/2044	133
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	9/8/2043	3/10/2044	133
Truck Loading on site - idling	Number of Vehicles	20	12	9/8/2043	3/10/2044	133
Trucks Traveling on site	Number of Vehicles	20	Unpaved	9/8/2043	3/10/2044	133
Deliveries on site - idling	Number of Vehicles	4		9/8/2043	3/10/2044	133
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	9/8/2043	3/10/2044	133
Cement Trucks - idling	Number of Vehicles	28		9/8/2043	3/10/2044	133
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	9/8/2043	3/10/2044	133
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/24/2044	5/18/2044	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/24/2044	5/18/2044	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/24/2044	5/18/2044	36
Truck Loading on site - idling	Number of Vehicles	0	12	2/24/2044	5/18/2044	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/24/2044	5/18/2044	36
Deliveries on site - idling	Number of Vehicles	13		2/24/2044	5/18/2044	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/24/2044	5/18/2044	36
Cement Trucks - idling	Number of Vehicles	0		2/24/2044	5/18/2044	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/24/2044	5/18/2044	36

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
2	87120	2	174240	11325.6	104	9

Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/18/2044	2/13/2045	194
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	5/18/2044	2/13/2045	194
Truck Loading Dust	Tons of material being loaded per day	3,140	Dirt	5/18/2044	2/13/2045	194
Truck Loading on site - idling	Number of Vehicles	157	20	5/18/2044	2/13/2045	194
Trucks Traveling on site	Number of Vehicles	157	Paved	5/18/2044	2/13/2045	194
Deliveries on site - idling	Number of Vehicles	0		5/18/2044	2/13/2045	194
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/18/2044	2/13/2045	194
Cement Trucks - idling	Number of Vehicles	0		5/18/2044	2/13/2045	194
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/18/2044	2/13/2045	194
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/20/2045	11/26/2046	375
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/20/2045	11/26/2046	375
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/20/2045	11/26/2046	375
	Number of Vehicles	0	12	6/20/2045	11/26/2046	375
Trucks Traveling on site	Number of Vehicles	0	Paved	6/20/2045	11/26/2046	375
Deliveries on site - idling	Number of Vehicles	0		6/20/2045	11/26/2046	375
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/20/2045	11/26/2046	375
Cement Trucks - idling	Number of Vehicles	8		6/20/2045	11/26/2046	375
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	6/20/2045	11/26/2046	375
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/27/2046	2/17/2048	320
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/27/2046	2/17/2048	320
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/27/2046	2/17/2048	320
Truck Loading on site - idling	Number of Vehicles	0	12	11/27/2046	2/17/2048	320
Trucks Traveling on site	Number of Vehicles	0	Paved	11/27/2046	2/17/2048	320
Deliveries on site - idling	Number of Vehicles	10		11/27/2046	2/17/2048	320
Deliveries Traveling on site	Number of Vehicles	10	Paved	11/27/2046	2/17/2048	320
Cement Trucks - idling	Number of Vehicles	0		11/27/2046	2/17/2048	320
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/27/2046	2/17/2048	320
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/20/2046	8/20/2047	196
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/20/2046	8/20/2047	196
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	11/20/2046	8/20/2047	196
Truck Loading on site - idling	Number of Vehicles	44	12	11/20/2046	8/20/2047	196
Trucks Traveling on site	Number of Vehicles	44	Paved	11/20/2046	8/20/2047	196
Deliveries on site - idling	Number of Vehicles	0		11/20/2046	8/20/2047	196
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/20/2046	8/20/2047	196
Cement Trucks - idling	Number of Vehicles	0		11/20/2046	8/20/2047	196
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/20/2046	8/20/2047	196
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/6/2047	10/29/2047	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/6/2047	10/29/2047	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/6/2047	10/29/2047	36
Truck Loading on site - idling	Number of Vehicles	0	12	8/6/2047	10/29/2047	36
Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2047	10/29/2047	36
Deliveries on site - idling	Number of Vehicles	13		8/6/2047	10/29/2047	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	8/6/2047	10/29/2047	36
Cement Trucks - idling	Number of Vehicles	0		8/6/2047	10/29/2047	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2047	10/29/2047	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/20/2047	4/13/2048	170
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	8/20/2047	4/13/2048	170
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/20/2047	4/13/2048	170
Truck Loading on site - idling	Number of Vehicles	0	12	8/20/2047	4/13/2048	170
Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2047	4/13/2048	170
Deliveries on site - idling	Number of Vehicles	3		8/20/2047	4/13/2048	170
Deliveries Traveling on site	Number of Vehicles	3	Paved	8/20/2047	4/13/2048	170
Cement Trucks - idling	Number of Vehicles	0		8/20/2047	4/13/2048	170
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2047	4/13/2048	170

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	976	114	10125024	607501.4	3131	157

Volume (yd^3 375,001
x 1.3 487,501

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	976	25	1708000	102480	523	44

Volume (yd^3 63,259
x 1.3 82,237

7.9

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
Launch Site - Midtown Crossing	27	2/12/2041	4/20/2043	
Mobilize - Tunneling	1	7/15/2042	8/11/2042	
TBM Assembly	2	2/24/2043	4/20/2043	
Tunnel Boring	24	4/21/2043	4/17/2045	
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	11	4/21/2043	3/7/2044	
Disassembly of TBM and Relocate	2	3/8/2044	5/2/2044	
TBM Reassembly	2	5/3/2044	6/27/2044	
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)	10	6/28/2044	4/17/2045	
Crosspassage	25	5/3/2044	5/14/2046	
Crosspassage excavations (MC to CE)	9	5/3/2044	1/23/2045	
Crosspassage structural concrete lining (MC to CE)	9	9/20/2044	6/12/2045	
Crosspassage excavations (MC to LBW)	7	6/13/2045	1/22/2046	
Crosspassage structural concrete lining (MC to LBW)	7	10/3/2045	5/14/2046	
Trackwork	47	6/13/2045	4/12/2049	
Trackwork, track systems, and structural concrete (MC to CE)	26	6/13/2045	7/22/2047	
Trackwork, track systems, and structural concrete (MC to LBW)	21	7/23/2047	4/12/2049	
Midtown Crossing Station and Crossover	97	2/12/2041	1/25/2049	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and excavation	19	10/8/2041	4/20/2043	
Place concrete slab for station box	2	9/20/2044	11/28/2044	
Cast-in-place station box structure	14	9/11/2046	11/11/2047	
MEP and Architectural finish work	13	11/12/2047	11/30/2048	
Backfill, exterior entry, and surface restoration	15	11/12/2047	1/25/2049	

							Calculated				
Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	3	0.50	8	4	12	2/12/2041	10/12/2041	174
Telehandler-175	Tier 4	142	Diesel	3	0.75	8	6	18	2/12/2041	10/12/2041	174
Bobcat-175	Fleet Average	125	Diesel	3	0.50	8	4	12	2/12/2041	10/12/2041	174
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	9/28/2041	5/5/2042	156
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/28/2041	5/5/2042	156
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	9/28/2041	5/5/2042	156
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	10/8/2041	2/8/2042	89
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	10/8/2041	2/8/2042	89
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	10/8/2041	2/8/2042	89
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	10/8/2041	2/8/2042	89
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	10/8/2041	2/8/2042	89
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	10/8/2041	2/8/2042	89
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	10/8/2041	2/8/2042	89

Decking - 4 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	1/8/2042	2/5/2042	12
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	1/8/2042	2/5/2042	12
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	1/8/2042	2/5/2042	12
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/5/2042	4/20/2043	314
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/5/2042	4/20/2043	314
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/5/2042	4/20/2043	314
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/5/2042	4/20/2043	314
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/5/2042	4/20/2043	314
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/5/2042	4/20/2043	314
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
	Tier 4	275	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	7/15/2042	8/11/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/15/2042	8/11/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/24/2043	4/20/2043	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	2/24/2043	4/20/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/24/2043	4/20/2043	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	2/24/2043	4/20/2043	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	2/24/2043	4/20/2043	40
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	4/21/2043	3/7/2044	230
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	4/21/2043	3/7/2044	230
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	4/21/2043	3/7/2044	230
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	4/21/2043	3/7/2044	230
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	4/21/2043	3/7/2044	230
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	4/21/2043	3/7/2044	230
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	4/21/2043	3/7/2044	230
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	4/21/2043	3/7/2044	230
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	4/21/2043	3/7/2044	230
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	4/21/2043	3/7/2044	230
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	4/21/2043	3/7/2044	230
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/3/2044	6/27/2044	40
Crane-500 (6 days)	Fleet Average	349	Electric	1	0.50	8	4	4	5/3/2044	6/27/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	5/3/2044	6/27/2044	40
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	8	2	4	5/3/2044	6/27/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	24	24	48	5/3/2044	6/27/2044	40

Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	6/28/2044	4/17/2045	210
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	6/28/2044	4/17/2045	210
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	6/28/2044	4/17/2045	210
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	6/28/2044	4/17/2045	210
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	6/28/2044	4/17/2045	210
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	6/28/2044	4/17/2045	210
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	6/28/2044	4/17/2045	210
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	6/28/2044	4/17/2045	210
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	6/28/2044	4/17/2045	210
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	6/28/2044	4/17/2045	210
Conveyor System-50	Fleet Average	50	Electric	2	0.20	20	4	8	6/28/2044	4/17/2045	210
Bore/Drill Rig-1000	Fleet Average	2,000	Electric	2	0.50	10	5	10	6/28/2044	4/17/2045	210
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	6/28/2044	4/17/2045	210
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	6/28/2044	4/17/2045	210
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	6/28/2044	4/17/2045	210
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	6/28/2044	4/17/2045	210
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	5/3/2044	5/14/2046	530
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	5/3/2044	5/14/2046	530
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	5/3/2044	5/14/2046	530
Other Construction Equipment-50	Fleet Average	50	Electric	4	1.00	8	8	32	5/3/2044	5/14/2046	530
Ventilation Plant-250	Fleet Average	200	Electric	2	1.00	24	24	48	5/3/2044	5/14/2046	530
Other Material Handling Equipment-175	Fleet Average	150	Electric	2	0.05	8	0	1	5/3/2044	5/14/2046	530
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	5/3/2044	5/14/2046	530
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	5/3/2044	5/14/2046	530
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.20	10	2	4	5/3/2044	5/14/2046	530
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	10	3	5	5/3/2044	5/14/2046	530
Water Treatment Plant-120	Fleet Average	100	Electric	2	1.00	24	24	48	5/3/2044	5/14/2046	530
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/13/2045	4/12/2049	1000
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/13/2045	4/12/2049	1000
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/13/2045	4/12/2049	1000
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/13/2045	4/12/2049	1000
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	7/11/2046	11/11/2047	349
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/11/2046	11/11/2047	349
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	7/11/2046	11/11/2047	349
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	7/11/2046	11/11/2047	349
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	7/11/2046	11/11/2047	349
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/11/2046	11/11/2047	349
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	11/12/2047	11/30/2048	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/12/2047	11/30/2048	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	11/12/2047	11/30/2048	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	11/12/2047	11/30/2048	275

Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	11/12/2047	5/12/2048	131
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	11/12/2047	5/12/2048	131
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	11/12/2047	5/12/2048	131
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	11/12/2047	5/12/2048	131
Decking removal - 4 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	4/28/2048	5/26/2048	12
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	4/28/2048	5/26/2048	12
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	4/28/2048	5/26/2048	12
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	4/28/2048	5/26/2048	12
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	4/28/2048	5/26/2048	12
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	5/12/2048	1/25/2049	185
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	5/12/2048	1/25/2049	185
Roller-250	Fleet Average	210	Diesel	4	0.25	8	2	8	5/12/2048	1/25/2049	185
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	5/12/2048	1/25/2049	185

Task Name	Duration	Start	Finish
Launch Site - Midtown Crossing	27	2/12/2041	4/20/2043
Mobilize - Tunneling	1	7/15/2042	8/11/2042
TBM Assembly	2	2/24/2043	4/20/2043
Tunnel Boring	24	4/21/2043	4/17/2045
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	11	4/21/2043	3/7/2044
Disassembly of TBM and Relocate	2	3/8/2044	5/2/2044
TBM Reassembly	2	5/3/2044	6/27/2044
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)	10	6/28/2044	4/17/2045
Crosspassage	25	5/3/2044	5/14/2046
Crosspassage excavations (MC to CE)	9	5/3/2044	1/23/2045
Crosspassage structural concrete lining (MC to CE)	9	9/20/2044	6/12/2045
Crosspassage excavations (MC to LBW)	7	6/13/2045	1/22/2046
Crosspassage structural concrete lining (MC to LBW)	7	10/3/2045	5/14/2046
Trackwork	47	6/13/2045	4/12/2049
Trackwork, track systems, and structural concrete (MC to CE)	26	6/13/2045	7/22/2047
Trackwork, track systems, and structural concrete (MC to LBW)	21	7/23/2047	4/12/2049
Midtown Crossing Station and Crossover	97	2/12/2041	1/25/2049
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042
Shoring and excavation	19	10/8/2041	4/20/2043
Place concrete slab for station box	2	9/20/2044	11/28/2044
Cast-in-place station box structure	14	9/11/2046	11/11/2047
MEP and Architectural finish work	13	11/12/2047	11/30/2048
Backfill, exterior entry, and surface restoration	15	11/12/2047	1/25/2049

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	10/12/2041	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	2/12/2041	10/12/2041	174
Truck Loading Dust	Tons of material being loaded per day	228	Aggregate	2/12/2041	10/12/2041	174
Truck Loading on site - idling	Number of Vehicles	19	12	2/12/2041	10/12/2041	174
Trucks Traveling on site	Number of Vehicles	19	Paved	2/12/2041	10/12/2041	174
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	10/12/2041	174
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	10/12/2041	174
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	10/12/2041	174
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	10/12/2041	174
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/28/2041	5/5/2042	156
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/28/2041	5/5/2042	156
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/28/2041	5/5/2042	156
Truck Loading on site - idling	Number of Vehicles	0	12	9/28/2041	5/5/2042	156
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/28/2041	5/5/2042	156
Deliveries on site - idling	Number of Vehicles	4		9/28/2041	5/5/2042	156
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/28/2041	5/5/2042	156
Cement Trucks - idling	Number of Vehicles	0		9/28/2041	5/5/2042	156
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/28/2041	5/5/2042	156
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/8/2041	2/8/2042	89
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	10/8/2041	2/8/2042	89
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	10/8/2041	2/8/2042	89
Truck Loading on site - idling	Number of Vehicles	5	12	10/8/2041	2/8/2042	89
Trucks Traveling on site	Number of Vehicles	5	Unpaved	10/8/2041	2/8/2042	89
Deliveries on site - idling	Number of Vehicles	1		10/8/2041	2/8/2042	89
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	10/8/2041	2/8/2042	89
Cement Trucks - idling	Number of Vehicles	7		10/8/2041	2/8/2042	89
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	10/8/2041	2/8/2042	89

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
7	304920	2	609840	39639.6	228	19
4.10						

Decking - 4 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/8/2042	2/5/2042	12
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/8/2042	2/5/2042	12
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/8/2042	2/5/2042	12
Truck Loading on site - idling	Number of Vehicles	0	12	1/8/2042	2/5/2042	12
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/8/2042	2/5/2042	12
Deliveries on site - idling	Number of Vehicles	13		1/8/2042	2/5/2042	12
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1/8/2042	2/5/2042	12
	Number of Vehicles	0		1/8/2042	2/5/2042	12
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/8/2042	2/5/2042	12
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/5/2042	4/20/2043	314
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/5/2042	4/20/2043	314
Truck Loading Dust	Tons of material being loaded per day	1,180	Dirt	2/5/2042	4/20/2043	314
Truck Loading on site - idling	Number of Vehicles	59	20	2/5/2042	4/20/2043	314
Trucks Traveling on site	Number of Vehicles	59	Paved	2/5/2042	4/20/2043	314
Deliveries on site - idling	Number of Vehicles	0		2/5/2042	4/20/2043	314
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/5/2042	4/20/2043	314
Cement Trucks - idling	Number of Vehicles	0		2/5/2042	4/20/2043	314
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/5/2042	4/20/2043	314
TBM Equipment Setup						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/15/2042	8/11/2042	20
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/15/2042	8/11/2042	20
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/15/2042	8/11/2042	20
Truck Loading on site - idling	Number of Vehicles	0	12	7/15/2042	8/11/2042	20
Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20
Deliveries on site - idling	Number of Vehicles	6		7/15/2042	8/11/2042	20
Deliveries Traveling on site	Number of Vehicles	6	Paved	7/15/2042	8/11/2042	20
Cement Trucks - idling	Number of Vehicles	0		7/15/2042	8/11/2042	20
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/15/2042	8/11/2042	20
TBM Assembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/24/2043	4/20/2043	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/24/2043	4/20/2043	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/24/2043	4/20/2043	40
Truck Loading on site - idling	Number of Vehicles	0	12	2/24/2043	4/20/2043	40
Trucks Traveling on site	Number of Vehicles	0	Paved	2/24/2043	4/20/2043	40
Deliveries on site - idling	Number of Vehicles	2		2/24/2043	4/20/2043	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/24/2043	4/20/2043	40
Cement Trucks - idling	Number of Vehicles	0		2/24/2043	4/20/2043	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/24/2043	4/20/2043	40
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/21/2043	3/7/2044	230
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	4/21/2043	3/7/2044	230
Truck Loading Dust	Tons of material being loaded per day	1,900	Dirt	4/21/2043	3/7/2044	230
Truck Loading on site - idling	Number of Vehicles	95	20	4/21/2043	3/7/2044	230
Trucks Traveling on site	Number of Vehicles	95	Paved	4/21/2043	3/7/2044	230
Deliveries on site - idling	Number of Vehicles	17		4/21/2043	3/7/2044	230
Deliveries Traveling on site	Number of Vehicles	17	Paved	4/21/2043	3/7/2044	230
Cement Trucks - idling	Number of Vehicles	0		4/21/2043	3/7/2044	230
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/21/2043	3/7/2044	230
TBM Reassembly						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/3/2044	6/27/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/3/2044	6/27/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/3/2044	6/27/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	5/3/2044	6/27/2044	40
Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40
Deliveries on site - idling	Number of Vehicles	2		5/3/2044	6/27/2044	40
Deliveries Traveling on site	Number of Vehicles	2	Paved	5/3/2044	6/27/2044	40
Cement Trucks - idling	Number of Vehicles	0		5/3/2044	6/27/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/3/2044	6/27/2044	40

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	890	76	6155240	369314.4	1176	59

Volume (yd^3 227,972
x 1.3 296,363

Excavation Quantity

Dia (ft)	Length (ft)	Area	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
22	9540	380.13271	7252932.1	435175.93	1892	95

Volume (yd^3 268,627
x 1.3 349,215

16240 32480

Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/28/2044	4/17/2045	210
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	6/28/2044	4/17/2045	210
Truck Loading Dust	Tons of material being loaded per day	1,460	Dirt	6/28/2044	4/17/2045	210
Truck Loading on site - idling	Number of Vehicles	73	20	6/28/2044	4/17/2045	210
Trucks Traveling on site	Number of Vehicles	73	Paved	6/28/2044	4/17/2045	210
Deliveries on site - idling	Number of Vehicles	17		6/28/2044	4/17/2045	210
Deliveries Traveling on site	Number of Vehicles	17	Paved	6/28/2044	4/17/2045	210
Cement Trucks - idling	Number of Vehicles	0		6/28/2044	4/17/2045	210
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/28/2044	4/17/2045	210
Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/3/2044	5/14/2046	530
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	5/3/2044	5/14/2046	530
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	5/3/2044	5/14/2046	530
Truck Loading on site - idling	Number of Vehicles	1	12	5/3/2044	5/14/2046	530
Trucks Traveling on site	Number of Vehicles	1	Paved	5/3/2044	5/14/2046	530
Deliveries on site - idling	Number of Vehicles	0		5/3/2044	5/14/2046	530
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/3/2044	5/14/2046	530
Cement Trucks - idling	Number of Vehicles	1		5/3/2044	5/14/2046	530
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	5/3/2044	5/14/2046	530
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/13/2045	4/12/2049	1000
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/13/2045	4/12/2049	1000
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/13/2045	4/12/2049	1000
Truck Loading on site - idling	Number of Vehicles	0	12	6/13/2045	4/12/2049	1000
Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	4/12/2049	1000
Deliveries on site - idling	Number of Vehicles	7		6/13/2045	4/12/2049	1000
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/13/2045	4/12/2049	1000
Cement Trucks - idling	Number of Vehicles	0		6/13/2045	4/12/2049	1000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/13/2045	4/12/2049	1000
Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/11/2046	11/11/2047	349
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/11/2046	11/11/2047	349
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/11/2046	11/11/2047	349
Truck Loading on site - idling	Number of Vehicles	0	12	7/11/2046	11/11/2047	349
Trucks Traveling on site	Number of Vehicles	0	Paved	7/11/2046	11/11/2047	349
Deliveries on site - idling	Number of Vehicles	0		7/11/2046	11/11/2047	349
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/11/2046	11/11/2047	349
Cement Trucks - idling	Number of Vehicles	8		7/11/2046	11/11/2047	349
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	7/11/2046	11/11/2047	349
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/12/2047	11/30/2048	275
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/12/2047	11/30/2048	275
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/12/2047	11/30/2048	275
Truck Loading on site - idling	Number of Vehicles	0	12	11/12/2047	11/30/2048	275
Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	11/30/2048	275
Deliveries on site - idling	Number of Vehicles	10		11/12/2047	11/30/2048	275
Deliveries Traveling on site	Number of Vehicles	10	Paved	11/12/2047	11/30/2048	275
Cement Trucks - idling	Number of Vehicles	0		11/12/2047	11/30/2048	275
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	11/30/2048	275
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/12/2047	5/12/2048	131
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/12/2047	5/12/2048	131
Truck Loading Dust	Tons of material being loaded per day	742	Dirt	11/12/2047	5/12/2048	131
Truck Loading on site - idling	Number of Vehicles	62	12	11/12/2047	5/12/2048	131
Trucks Traveling on site	Number of Vehicles	62	Paved	11/12/2047	5/12/2048	131
Deliveries on site - idling	Number of Vehicles	0		11/12/2047	5/12/2048	131
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/12/2047	5/12/2048	131
Cement Trucks - idling	Number of Vehicles	0		11/12/2047	5/12/2048	131
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/12/2047	5/12/2048	131

Excavation Quantity

Dia (ft)	Length (ft)	Area	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
22	6700	380.13271	5093778.3	305626.7	1455	73

Volume (yd^3	188,658
x 1.3	245,256

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
12	360	12	51840	3110.4	6	0

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	890	20	1619800	97188	742	62

Volume (yd^3	59,993
x 1.3	77,990

Decking removal - 4 weekends							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/28/2048	5/26/2048	12	
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/28/2048	5/26/2048	12	
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	4/28/2048	5/26/2048	12	
Truck Loading on site - idling	Number of Vehicles	0	12	4/28/2048	5/26/2048	12	
Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/28/2048	5/26/2048	12	
Deliveries on site - idling	Number of Vehicles	13		4/28/2048	5/26/2048	12	
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	4/28/2048	5/26/2048	12	
Cement Trucks - idling	Number of Vehicles	0		4/28/2048	5/26/2048	12	
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/28/2048	5/26/2048	12	
Surface restoration							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/12/2048	1/25/2049	185	8.6
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/12/2048	1/25/2049	185	
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/12/2048	1/25/2049	185	
Truck Loading on site - idling	Number of Vehicles	0	12	5/12/2048	1/25/2049	185	
Trucks Traveling on site	Number of Vehicles	0	Paved	5/12/2048	1/25/2049	185	
Deliveries on site - idling	Number of Vehicles	6		5/12/2048	1/25/2049	185	
Deliveries Traveling on site	Number of Vehicles	6	Paved	5/12/2048	1/25/2049	185	
Cement Trucks - idling	Number of Vehicles	0		5/12/2048	1/25/2049	185	
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/12/2048	1/25/2049	185	

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
Crenshaw/Adams Station and Crossover	70	7/30/2041	4/15/2047
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042
Shoring and excavation	14	5/6/2042	6/29/2043
Cast-in-place station box structure	14	12/27/2044	2/19/2046
MEP and Architectural finish work	12	2/20/2046	2/18/2047
Backfill, exterior entry, and surface restoration	14	2/20/2046	4/15/2047

							Calculated				
Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/30/2041	1/30/2042	133
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/30/2041	1/30/2042	133
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/30/2041	1/30/2042	133
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/15/2042	9/22/2042	179
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/15/2042	9/22/2042	179
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/15/2042	9/22/2042	179
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	5/6/2042	9/6/2042	89
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	5/6/2042	9/6/2042	89
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	5/6/2042	9/6/2042	89
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	5/6/2042	9/6/2042	89
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	5/6/2042	9/6/2042	89
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	5/6/2042	9/6/2042	89
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	5/6/2042	9/6/2042	89
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	8/6/2042	10/29/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	8/6/2042	10/29/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	8/6/2042	10/29/2042	36
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/29/2042	6/29/2043	174
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/29/2042	6/29/2043	174
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/29/2042	6/29/2043	174
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/29/2042	6/29/2043	174
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/29/2042	6/29/2043	174
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/29/2042	6/29/2043	174

Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/27/2044	2/19/2046	300
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/27/2044	2/19/2046	300
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	12/27/2044	2/19/2046	300
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/27/2044	2/19/2046	300
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/20/2046	2/18/2047	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	2/20/2046	2/18/2047	260
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/20/2046	8/20/2046	130
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
	Tier 4	285	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	8/6/2046	10/29/2046	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	8/6/2046	10/29/2046	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	8/6/2046	10/29/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	8/20/2046	4/15/2047	171

Task Name	Duration	Start	Finish	
Crenshaw/Adams Station and Crossover	70	7/30/2041	4/15/2047	
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042	
Shoring and excavation	14	5/6/2042	6/29/2043	
Cast-in-place station box structure	14	12/27/2044	2/19/2046	
MEP and Architectural finish work	12	2/20/2046	2/18/2047	
Backfill, exterior entry, and surface restoration	14	2/20/2046	4/15/2047	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/30/2041	1/30/2042	133
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	7/30/2041	1/30/2042	133
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	7/30/2041	1/30/2042	133
Truck Loading on site - idling	Number of Vehicles	4	12	7/30/2041	1/30/2042	133
Trucks Traveling on site	Number of Vehicles	4	Paved	7/30/2041	1/30/2042	133
Deliveries on site - idling	Number of Vehicles	0		7/30/2041	1/30/2042	133
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	7/30/2041	1/30/2042	133
Cement Trucks - idling	Number of Vehicles	0		7/30/2041	1/30/2042	133
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	7/30/2041	1/30/2042	133
Utility Relocation & Site Preparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/15/2042	9/22/2042	179
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/15/2042	9/22/2042	179
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	1/15/2042	9/22/2042	179
Truck Loading on site - idling	Number of Vehicles	0	12	1/15/2042	9/22/2042	179
Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/15/2042	9/22/2042	179
Deliveries on site - idling	Number of Vehicles	4		1/15/2042	9/22/2042	179
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/15/2042	9/22/2042	179
Cement Trucks - idling	Number of Vehicles	0		1/15/2042	9/22/2042	179
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	1/15/2042	9/22/2042	179
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/6/2042	9/6/2042	89
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/6/2042	9/6/2042	89
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	5/6/2042	9/6/2042	89
Truck Loading on site - idling	Number of Vehicles	5	12	5/6/2042	9/6/2042	89
Trucks Traveling on site	Number of Vehicles	5	Unpaved	5/6/2042	9/6/2042	89
Deliveries on site - idling	Number of Vehicles	1		5/6/2042	9/6/2042	89
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	5/6/2042	9/6/2042	89
Cement Trucks - idling	Number of Vehicles	7		5/6/2042	9/6/2042	89
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	5/6/2042	9/6/2042	89
Decking - 12 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/6/2042	10/29/2042	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/6/2042	10/29/2042	36
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/6/2042	10/29/2042	36
Truck Loading on site - idling	Number of Vehicles	0	12	8/6/2042	10/29/2042	36
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/6/2042	10/29/2042	36
Deliveries on site - idling	Number of Vehicles	13		8/6/2042	10/29/2042	36
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/6/2042	10/29/2042	36
Cement Trucks - idling	Number of Vehicles	0		8/6/2042	10/29/2042	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2042	10/29/2042	36
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/29/2042	6/29/2043	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/29/2042	6/29/2043	174
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt	10/29/2042	6/29/2043	174
Truck Loading on site - idling	Number of Vehicles	96	20	10/29/2042	6/29/2043	174
Trucks Traveling on site	Number of Vehicles	96	Paved	10/29/2042	6/29/2043	174
Deliveries on site - idling	Number of Vehicles	0		10/29/2042	6/29/2043	174
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/29/2042	6/29/2043	174
Cement Trucks - idling	Number of Vehicles	0		10/29/2042	6/29/2043	174
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/29/2042	6/29/2043	174

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
1	43560	2	87120	5662.8	43	4

4.10

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	935	65	5530525	331831.5	1907	95

Cast-in-place station box structure														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	2/19/2046	300								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/27/2044	2/19/2046	300								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/27/2044	2/19/2046	300								
Truck Loading on site - idling	Number of Vehicles	0	12	12/27/2044	2/19/2046	300								
	Number of Vehicles	0	Paved	12/27/2044	2/19/2046	300								
Deliveries on site - idling	Number of Vehicles	0		12/27/2044	2/19/2046	300								
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/27/2044	2/19/2046	300								
Cement Trucks - idling	Number of Vehicles	8		12/27/2044	2/19/2046	300						30725.139	102.41713	8.5347608
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	12/27/2044	2/19/2046	300								
MEP and Architectural finish work														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/20/2046	2/18/2047	260								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/20/2046	2/18/2047	260								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/20/2046	2/18/2047	260								
Truck Loading on site - idling	Number of Vehicles	0	12	2/20/2046	2/18/2047	260								
Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	2/18/2047	260								
Deliveries on site - idling	Number of Vehicles	10		2/20/2046	2/18/2047	260								
Deliveries Traveling on site	Number of Vehicles	10	Paved	2/20/2046	2/18/2047	260								
Cement Trucks - idling	Number of Vehicles	0		2/20/2046	2/18/2047	260								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	2/18/2047	260								
Backfill														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/20/2046	8/20/2046	130	Backfill Quantity							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/20/2046	8/20/2046	130	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day	
Truck Loading Dust	Tons of material being loaded per day	600	Dirt	2/20/2046	8/20/2046	130	70	935	15	1276275	76576.5	589	49	
Truck Loading on site - idling	Number of Vehicles	50	12	2/20/2046	8/20/2046	130								
Trucks Traveling on site	Number of Vehicles	50	Paved	2/20/2046	8/20/2046	130			Volume (yd^3	47,269				
Deliveries on site - idling	Number of Vehicles	0		2/20/2046	8/20/2046	130			x 1.3	61,450				
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/20/2046	8/20/2046	130								
Cement Trucks - idling	Number of Vehicles	0		2/20/2046	8/20/2046	130								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/20/2046	8/20/2046	130								
Decking removal - 12 weekends														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/6/2046	10/29/2046	36								
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/6/2046	10/29/2046	36								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/6/2046	10/29/2046	36								
Truck Loading on site - idling	Number of Vehicles	0	12	8/6/2046	10/29/2046	36								
Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2046	10/29/2046	36								
Deliveries on site - idling	Number of Vehicles	13		8/6/2046	10/29/2046	36								
Deliveries Traveling on site	Number of Vehicles	13	Paved	8/6/2046	10/29/2046	36								
Cement Trucks - idling	Number of Vehicles	0		8/6/2046	10/29/2046	36								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/6/2046	10/29/2046	36								
Surface restoration														
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/20/2046	4/15/2047	171	7.9							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	8/20/2046	4/15/2047	171								
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/20/2046	4/15/2047	171								
Truck Loading on site - idling	Number of Vehicles	0	12	8/20/2046	4/15/2047	171								
Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2046	4/15/2047	171								
Deliveries on site - idling	Number of Vehicles	3		8/20/2046	4/15/2047	171								
Deliveries Traveling on site	Number of Vehicles	3	Paved	8/20/2046	4/15/2047	171								
Cement Trucks - idling	Number of Vehicles	0		8/20/2046	4/15/2047	171								
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/20/2046	4/15/2047	171								

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish
Crenshaw/Expo Station - Connection Box	42	5/6/2042	10/2/2045
Demolition, utility relocation, and site preparation	10	5/6/2042	2/23/2043
Shoring and excavation	10	12/2/2042	9/21/2043
Cast-in-place connection structure	10	3/8/2044	12/26/2044
MEP and Architectural finish work	7	12/27/2044	8/7/2045
Backfill, exterior entry, and surface restoration	7	3/21/2045	10/2/2045

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	5/6/2042	9/3/2042	87
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	5/6/2042	9/3/2042	87
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	5/6/2042	9/3/2042	87
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	9/3/2042	2/23/2043	124
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/3/2042	2/23/2043	124
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	9/3/2042	2/23/2043	124
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/2/2042	2/2/2043	45
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/2/2042	2/2/2043	45
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	12/2/2042	2/2/2043	45
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	12/2/2042	2/2/2043	45
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	12/2/2042	2/2/2043	45
Decking - 3 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	2/2/2043	2/25/2043	9
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/2/2043	2/25/2043	9
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	2/2/2043	2/25/2043	9

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/25/2043	9/21/2043	149
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	2/25/2043	9/21/2043	149
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	2/25/2043	9/21/2043	149
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/25/2043	9/21/2043	149
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	2/25/2043	9/21/2043	149
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	2/25/2043	9/21/2043	149
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	3/8/2044	5/2/2044	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	3/8/2044	5/2/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/8/2044	5/2/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	3/8/2044	5/2/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	3/8/2044	5/2/2044	40
Cast-in-place connection structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/8/2044	12/26/2044	210
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/8/2044	12/26/2044	210
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/8/2044	12/26/2044	210
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/8/2044	12/26/2044	210
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/27/2044	8/7/2045	160
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/27/2044	8/7/2045	160
Backfill											
	Fleet Average	285	Electric	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/21/2045	5/22/2045	45
Decking removal - 3 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	5/22/2045	6/12/2045	9
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	5/22/2045	6/12/2045	9
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	5/22/2045	6/12/2045	9
Surface restoration											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Roller-250	Fleet Average	210	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	6/5/2045	10/2/2045	86

Task Name	Duration	Start	Finish
Crenshaw/Expo Station - Connection Box	42	5/6/2042	10/2/2045
Demolition, utility relocation, and site preparation	10	5/6/2042	2/23/2043
Shoring and excavation	10	12/2/2042	9/21/2043
Cast-in-place connection structure	10	3/8/2044	12/26/2044
MEP and Architectural finish work	7	12/27/2044	8/7/2045
Backfill, exterior entry, and surface restoration	7	3/21/2045	10/2/2045

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/6/2042	9/3/2042	87
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	5/6/2042	9/3/2042	87
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	5/6/2042	9/3/2042	87
Truck Loading on site - idling	Number of Vehicles	2	12	5/6/2042	9/3/2042	87
Trucks Traveling on site	Number of Vehicles	2	Paved	5/6/2042	9/3/2042	87
Deliveries on site - idling	Number of Vehicles	0		5/6/2042	9/3/2042	87
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	5/6/2042	9/3/2042	87
Cement Trucks - idling	Number of Vehicles	0		5/6/2042	9/3/2042	87
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/6/2042	9/3/2042	87
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/3/2042	2/23/2043	124
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	9/3/2042	2/23/2043	124
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	9/3/2042	2/23/2043	124
Truck Loading on site - idling	Number of Vehicles	0	12	9/3/2042	2/23/2043	124
Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/3/2042	2/23/2043	124
Deliveries on site - idling	Number of Vehicles	4		9/3/2042	2/23/2043	124
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/3/2042	2/23/2043	124
Cement Trucks - idling	Number of Vehicles	0		9/3/2042	2/23/2043	124
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	9/3/2042	2/23/2043	124
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/2/2042	2/2/2043	45
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	12/2/2042	2/2/2043	45
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/2/2042	2/2/2043	45
Truck Loading on site - idling	Number of Vehicles	5	12	12/2/2042	2/2/2043	45
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/2/2042	2/2/2043	45
Deliveries on site - idling	Number of Vehicles	1		12/2/2042	2/2/2043	45
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/2/2042	2/2/2043	45
Cement Trucks - idling	Number of Vehicles	7		12/2/2042	2/2/2043	45
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/2/2042	2/2/2043	45
Decking - 3 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2043	2/25/2043	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/2/2043	2/25/2043	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/2/2043	2/25/2043	9
Truck Loading on site - idling	Number of Vehicles	0	12	2/2/2043	2/25/2043	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/2/2043	2/25/2043	9
Deliveries on site - idling	Number of Vehicles	5		2/2/2043	2/25/2043	9
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	2/2/2043	2/25/2043	9
Cement Trucks - idling	Number of Vehicles	0		2/2/2043	2/25/2043	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2043	2/25/2043	9
Excavation						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/25/2043	9/21/2043	149
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	2/25/2043	9/21/2043	149
Truck Loading Dust	Tons of material being loaded per day	120	Dirt	2/25/2043	9/21/2043	149
Truck Loading on site - idling	Number of Vehicles	10	12	2/25/2043	9/21/2043	149
Trucks Traveling on site	Number of Vehicles	10	Paved	2/25/2043	9/21/2043	149
Deliveries on site - idling	Number of Vehicles	0		2/25/2043	9/21/2043	149
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/25/2043	9/21/2043	149
Cement Trucks - idling	Number of Vehicles	0		2/25/2043	9/21/2043	149
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/25/2043	9/21/2043	149

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
70	60	67	281400	16884	113	9.4

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/8/2044	5/2/2044	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/8/2044	5/2/2044	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/8/2044	5/2/2044	40
Truck Loading on site - idling	Number of Vehicles	0	12	3/8/2044	5/2/2044	40
	Number of Vehicles	0	Paved	3/8/2044	5/2/2044	40
Deliveries on site - idling	Number of Vehicles	1		3/8/2044	5/2/2044	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	3/8/2044	5/2/2044	40
Cement Trucks - idling	Number of Vehicles	0		3/8/2044	5/2/2044	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2044	5/2/2044	40
Cast-in-place connection structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/8/2044	12/26/2044	210
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/8/2044	12/26/2044	210
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/8/2044	12/26/2044	210
Truck Loading on site - idling	Number of Vehicles	0	12	3/8/2044	12/26/2044	210
Trucks Traveling on site	Number of Vehicles	0	Paved	3/8/2044	12/26/2044	210
Deliveries on site - idling	Number of Vehicles	0		3/8/2044	12/26/2044	210
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/8/2044	12/26/2044	210
Cement Trucks - idling	Number of Vehicles	2		3/8/2044	12/26/2044	210
Cement Trucks Traveling on site	Number of Vehicles	2	Paved	3/8/2044	12/26/2044	210
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/27/2044	8/7/2045	160
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/27/2044	8/7/2045	160
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/27/2044	8/7/2045	160
Truck Loading on site - idling	Number of Vehicles	0	12	12/27/2044	8/7/2045	160
Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	8/7/2045	160
Deliveries on site - idling	Number of Vehicles	2		12/27/2044	8/7/2045	160
Deliveries Traveling on site	Number of Vehicles	2	Paved	12/27/2044	8/7/2045	160
Cement Trucks - idling	Number of Vehicles	0		12/27/2044	8/7/2045	160
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/27/2044	8/7/2045	160
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/21/2045	5/22/2045	45
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	3/21/2045	5/22/2045	45
Truck Loading Dust	Tons of material being loaded per day	204	Dirt	3/21/2045	5/22/2045	45
Truck Loading on site - idling	Number of Vehicles	17	12	3/21/2045	5/22/2045	45
Trucks Traveling on site	Number of Vehicles	17	Paved	3/21/2045	5/22/2045	45
Deliveries on site - idling	Number of Vehicles	0		3/21/2045	5/22/2045	45
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/21/2045	5/22/2045	45
Cement Trucks - idling	Number of Vehicles	0		3/21/2045	5/22/2045	45
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/21/2045	5/22/2045	45
Decking removal - 3 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/22/2045	6/12/2045	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	5/22/2045	6/12/2045	9
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	5/22/2045	6/12/2045	9
Truck Loading on site - idling	Number of Vehicles	0	12	5/22/2045	6/12/2045	9
Trucks Traveling on site	Number of Vehicles	0	Paved	5/22/2045	6/12/2045	9
Deliveries on site - idling	Number of Vehicles	7		5/22/2045	6/12/2045	9
Deliveries Traveling on site	Number of Vehicles	7	Paved	5/22/2045	6/12/2045	9
Cement Trucks - idling	Number of Vehicles	0		5/22/2045	6/12/2045	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/22/2045	6/12/2045	9
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/5/2045	10/2/2045	86
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	2	Dirt	6/5/2045	10/2/2045	86
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/5/2045	10/2/2045	86
Truck Loading on site - idling	Number of Vehicles	0	12	6/5/2045	10/2/2045	86
Trucks Traveling on site	Number of Vehicles	0	Paved	6/5/2045	10/2/2045	86
Deliveries on site - idling	Number of Vehicles	1		6/5/2045	10/2/2045	86
Deliveries Traveling on site	Number of Vehicles	1	Paved	6/5/2045	10/2/2045	86
Cement Trucks - idling	Number of Vehicles	0		6/5/2045	10/2/2045	86
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/5/2045	10/2/2045	86

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	Volume (ft^3)	Weight (ton)	Tons/day	Trucks/day
70	60	35	147000	8820	196	16.3

Volume (yd^3) 5,444
x 1.3 7,078

4.0

Task Name	Duration (months)	Start	Finish	
Section 1: Expo to La Brea/Wilshire (IOS)	119	1/14/2041	10/10/2050	
Pre-Construction	24	1/14/2041	1/12/2043	
Notice to Proceed	0	1/14/2041	1/14/2041	
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	18	1/15/2041	7/14/2042	
Mobilization	1	1/15/2041	2/11/2041	
Oil Well Detection and Decommission	24	1/15/2041	1/12/2043	
Guideway and Tunnel	99	2/12/2041	4/12/2049	
Launch Site - Midtown Crossing	27	2/12/2041	4/20/2043	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and Excavation	19	10/8/2041	4/20/2043	
Mobilize - Tunneling	1	7/15/2042	8/11/2042	
TBM Assembly	2	2/24/2043	4/20/2043	
Tunnel Boring	24	4/21/2043	4/17/2045	
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	11	4/21/2043	3/7/2044	
Disassembly of TBM and Relocate	2	3/8/2044	5/2/2044	
TBM Reassembly	2	5/3/2044	6/27/2044	
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)	9	6/28/2044	3/13/2045	
Bore tunnel tail tracks La Brea/Wilshire (LBW)	1	3/14/2045	4/17/2045	lumped with line 18
Crosspassage	25	5/3/2044	5/14/2046	
Crosspassage excavations (MC to CE)	9	5/3/2044	1/23/2045	
Crosspassage structural concrete lining (MC to CE)	9	9/20/2044	6/12/2045	
Crosspassage excavations (MC to LBW)	7	6/13/2045	1/22/2046	
Crosspassage structural concrete lining (MC to LBW)	7	10/3/2045	5/14/2046	
Trackwork	47	6/13/2045	4/12/2049	
Trackwork, track systems, and structural concrete (MC to CE)	26	6/13/2045	7/22/2047	
Trackwork, track systems, and structural concrete (MC to LBW)	21	7/23/2047	4/12/2049	
Crenshaw/Expo Station	42	5/6/2042	10/2/2045	
Connection Box	42	5/6/2042	10/2/2045	
Demolition, utility relocation, and site preparation	10	5/6/2042	2/23/2043	
Shoring and excavation	10	12/2/2042	9/21/2043	
Cast-in-place connection structure	10	3/8/2044	12/26/2044	
MEP and Architectural finish work	7	12/27/2044	8/7/2045	
Backfill, exterior entry, and surface restoration	7	3/21/2045	10/2/2045	
Midtown Crossing Station and Crossover	97	2/12/2041	1/25/2049	
Station	97	2/12/2041	1/25/2049	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and excavation	19	10/8/2041	4/20/2043	
Place concrete slab for station box	2	9/20/2044	11/28/2044	
Cast-in-place station box structure	14	9/11/2046	11/11/2047	
MEP and Architectural finish work	13	11/12/2047	11/30/2048	
Backfill, exterior entry, and surface restoration	12	2/4/2048	1/25/2049	
Crossover	94	2/12/2041	11/2/2048	
Demolition, utility relocation, and site preparation	15	2/12/2041	5/5/2042	
Shoring and excavation	15	11/19/2041	2/9/2043	
Cast-in-place station box structure	14	9/11/2046	11/11/2047	
Backfill, exterior entry, and surface restoration	12	11/12/2047	11/2/2048	

Task Name	Duration (months)	Start	Finish	Date Difference	
Section 1: Expo to La Brea/Wilshire (IOS)	508.2 wks	1/14/2041	##########	0	0
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0	0
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0
Mobilization	4 wks	1/15/2041	2/11/2041	0	0
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	0	0
Guideway and Tunnel	426 wks	2/12/2041	4/12/2049	0	0
Launch Site - Midtown Crossing	114 wks	2/12/2041	4/20/2043	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and Excavation	80 wks	10/8/2041	4/20/2043	0	0
Mobilize - Tunneling	4 wks	7/15/2042	8/11/2042	0	0
TBM Assembly	8 wks	2/24/2043	4/20/2043	0	0
Tunnel Boring	104 wks	4/21/2043	4/17/2045	0	0
Bore tunnels from Midtown Crossing (MC) to Crenshaw/Expo (CE)	46 wks	4/21/2043	3/7/2044	0	0
Disassembly of TBM and Relocate	8 wks	3/8/2044	5/2/2044	0	0
TBM Reassembly	8 wks	5/3/2044	6/27/2044	0	0
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)	37 wks	6/28/2044	3/13/2045	0	0
Bore tunnel tail tracks La Brea/Wilshire (LBW)	5 wks	3/14/2045	4/17/2045	0	0
Crosspassage	106 wks	5/3/2044	5/14/2046	0	0
Crosspassage excavations (MC to CE)	38 wks	5/3/2044	1/23/2045	0	0
Crosspassage structural concrete lining (MC to CE)	38 wks	9/20/2044	6/12/2045	0	0
Crosspassage excavations (MC to LBW)	32 wks	6/13/2045	1/22/2046	0	0
Crosspassage structural concrete lining (MC to LBW)	32 wks	10/3/2045	5/14/2046	0	0
Trackwork	200 wks	6/13/2045	4/12/2049	0	0
Trackwork, track systems, and structural concrete (MC to CE)	110 wks	6/13/2045	7/22/2047	0	0
Trackwork, track systems, and structural concrete (MC to LBW)	90 wks	7/23/2047	4/12/2049	0	0
Crenshaw/Expo Station	178 wks	5/6/2042	10/2/2045	0	0
Connection Box	178 wks	5/6/2042	10/2/2045	0	0
Demolition, utility relocation, and site preparation	42 wks	5/6/2042	2/23/2043	0	0
Shoring and excavation	42 wks	12/2/2042	9/21/2043	0	0
Cast-in-place connection structure	42 wks	3/8/2044	12/26/2044	0	0
MEP and Architectural finish work	32 wks	12/27/2044	8/7/2045	0	0
Backfill, exterior entry, and surface restoration	28 wks	3/21/2045	10/2/2045	0	0
Midtown Crossing Station and Crossover	415 wks	2/12/2041	1/25/2049	0	0
Station	415 wks	2/12/2041	1/25/2049	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and excavation	80 wks	10/8/2041	4/20/2043	0	0
Place concrete slab for station box	10 wks	9/20/2044	11/28/2044	0	0
Cast-in-place station box structure	61 wks	9/11/2046	11/11/2047	0	0
MEP and Architectural finish work	55 wks	11/12/2047	11/30/2048	0	0
Backfill, exterior entry, and surface restoration	51 wks	2/4/2048	1/25/2049	0	0
Double Crossover	403 wks	2/12/2041	11/2/2048	0	0
Demolition, utility relocation, and site preparation	64 wks	2/12/2041	5/5/2042	0	0
Shoring and excavation	64 wks	11/19/2041	2/9/2043	0	0
Cast-in-place station box structure	61 wks	9/11/2046	11/11/2047	0	0
Backfill, exterior entry, and surface restoration	51 wks	11/12/2047	11/2/2048	0	0

Crenshaw/Adams Station and Crossover	70	7/30/2041	4/15/2047		Crenshaw/Adams Station and Crossover	298 wks	7/30/2041	4/15/2047	0	0
Station	70	7/30/2041	4/15/2047		Station	298 wks	7/30/2041	4/15/2047	0	0
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042		Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	0	0
Shoring and excavation	14	5/6/2042	6/29/2043		Shoring and excavation	60 wks	5/6/2042	6/29/2043	0	0
Cast-in-place station box structure	14	12/27/2044	2/19/2046		Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	0	0
MEP and Architectural finish work	12	2/20/2046	2/18/2047		MEP and Architectural finish work	52 wks	2/20/2046	2/18/2047	0	0
Backfill, exterior entry, and surface restoration	11	5/15/2046	4/15/2047		Backfill, exterior entry, and surface restoration	48 wks	5/15/2046	4/15/2047	0	0
Crossover	67	7/30/2041	1/21/2047		Double Crossover	286 wks	7/30/2041	1/21/2047	0	0
Demolition, utility relocation, and site preparation	14	7/30/2041	9/22/2042		Demolition, utility relocation, and site preparation	60 wks	7/30/2041	9/22/2042	0	0
Shoring and excavation	14	5/6/2042	6/29/2043		Shoring and excavation	60 wks	5/6/2042	6/29/2043	0	0
Cast-in-place station box structure	14	12/27/2044	2/19/2046		Cast-in-place station box structure	60 wks	12/27/2044	2/19/2046	0	0
Backfill, exterior entry, and surface restoration	11	2/20/2046	1/21/2047		Backfill, exterior entry, and surface restoration	48 wks	2/20/2046	1/21/2047	0	0
La Brea/Wilshire Station and Crossover	68	9/23/2042	4/13/2048		La Brea/Wilshire Station and Crossover	290 wks	9/23/2042	4/13/2048	0	0
Station	68	9/23/2042	4/13/2048		Station	290 wks	9/23/2042	4/13/2048	0	0
Demolition, utility relocation, and site preparation	17	9/23/2042	2/29/2044		Demolition, utility relocation, and site preparation	75 wks	9/23/2042	2/29/2044	0	0
Shoring and excavation	17	9/8/2043	2/13/2045		Shoring and excavation	75 wks	9/8/2043	2/13/2045	0	0
	17	6/20/2045	11/26/2046		Cast-in-place station box structure	75 wks	6/20/2045	11/26/2046	0	0
MEP and Architectural finish work	15	11/27/2046	2/17/2048		MEP and Architectural finish work	64 wks	11/27/2046	2/17/2048	0	0
Backfill, exterior entry, and surface restoration	14	2/19/2047	4/13/2048		Backfill, exterior entry, and surface restoration	60 wks	2/19/2047	4/13/2048	0	0
Crossover	65	9/23/2042	1/13/2048		Double Crossover	277 wks	9/23/2042	1/13/2048	0	0
Demolition, utility relocation, and site preparation	17	9/23/2042	2/29/2044		Demolition, utility relocation, and site preparation	75 wks	9/23/2042	2/29/2044	0	0
Shoring and excavation	17	9/8/2043	2/13/2045		Shoring and excavation	75 wks	9/8/2043	2/13/2045	0	0
Cast-in-place station box structure	17	6/20/2045	11/19/2046		Cast-in-place station box structure	74 wks	6/20/2045	11/19/2046	0	0
Backfill, exterior entry, and surface restoration	14	11/20/2046	1/13/2048		Backfill, exterior entry, and surface restoration	60 wks	11/20/2046	1/13/2048	0	0
Maintenance and Storage Facility Expansion (Div 16)	12	2/12/2041	2/10/2042		Maintenance and Storage Facility Expansion (Div 16)	52 wks	10/15/2047	10/12/2048	-2436	-2436
Demolition, grading, and site preparation at Existing Div. 16 Facility	6	2/12/2041	8/12/2041		Demolition, grading, and site preparation at Existing Div. 16 Facility	26 wks	10/15/2047	4/13/2048	-2436	-2436
Trackwork and systems	6	8/13/2041	2/10/2042		Trackwork and systems	26 wks	4/14/2048	10/12/2048	-2436	-2436
Alignment Start-up	24	10/13/2048	10/10/2050		Alignment Start-up	104 wks	10/13/2048	10/10/2050	0	0
Systems testing and commissioning	24	10/13/2048	10/10/2050		Systems testing and commissioning	104 wks	10/13/2048	10/10/2050	0	0
Milestone: Early Revenue Service Date - Section 1	0	10/10/2050	10/10/2050		Milestone: Early Revenue Service Date - Section 1	0 wks	10/10/2050	10/10/2050	0	0

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
New Maintenance and Storage Facility	49	5/19/2043	5/13/2047
Demolition, grading, and site preparation	12	5/19/2043	5/16/2044
Facility structures, trackwork, and systems	36	5/17/2044	5/13/2047

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation											
Crane-500	Tier 4	275	Diesel	2	0.5	8	4	8	5/19/2043	5/16/2044	260
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	5/19/2043	5/16/2044	260
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.5	8	4	8	5/19/2043	5/16/2044	260
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	5/19/2043	5/16/2044	260
Bobcat-175	Fleet Average	125	Diesel	2	0.25	8	2	4	5/19/2043	5/16/2044	260
Facility structures, trackwork, and systems											
Crane-500	Tier 4	285	Diesel	2	0.10	8	1	2	5/17/2044	5/13/2047	780
Excavator-120	Fleet Average	54	Diesel	3	0.5	8	4	12	5/17/2044	5/13/2047	780
Telehandler-175	Tier 4	142	Diesel	3	0.25	8	2	6	5/17/2044	5/13/2047	780
Other Construction Equipment-50	Fleet Average	50	Electric	3	1.00	8	8	24	5/17/2044	5/13/2047	780
Welding Plant - 500	Tier 4	380	Diesel	3	0.70	8	6	17	5/17/2044	5/13/2047	780

			# of Units	# of Cars		
2/12/2041	12/31/2041	231	10	20	4620	15.298013
1/1/2042	2/11/2042	30	10	20	600	
2/11/2042	12/31/2042	232	14	28	6496	22.670927
1/1/2043	12/31/2044	522	14	28	14616	23.311005
1/1/2045	2/6/2045	26	14	28	728	2.3333333

1/1/2042	12/31/2042	313
1/1/2042	12/31/2042	261
1/1/2042	12/31/2042	261
1/1/2042	12/31/2042	261

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
New Maintenance and Storage Facility	49	5/19/2043	5/13/2047
Demolition, grading, and site preparation	12	5/19/2043	5/16/2044
Facility structures, trackwork, and systems	36	5/17/2044	5/13/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/19/2043	5/16/2044	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate	5/19/2043	5/16/2044	260
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate	5/19/2043	5/16/2044	260
Truck Loading on site - idling	Number of Vehicles	46	12	5/19/2043	5/16/2044	260
Trucks Traveling on site	Number of Vehicles	46	Paved	5/19/2043	5/16/2044	260
Deliveries on site - idling	Number of Vehicles	0		5/19/2043	5/16/2044	260
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	5/19/2043	5/16/2044	260
Cement Trucks - idling	Number of Vehicles	0		5/19/2043	5/16/2044	260
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/19/2043	5/16/2044	260
Trackwork and systems						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/17/2044	5/13/2047	780
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate	5/17/2044	5/13/2047	780
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate	5/17/2044	5/13/2047	780
Truck Loading on site - idling	Number of Vehicles	2	12	5/17/2044	5/13/2047	780
Trucks Traveling on site	Number of Vehicles	2	Paved	5/17/2044	5/13/2047	780
Deliveries on site - idling	Number of Vehicles	7		5/17/2044	5/13/2047	780
Deliveries Traveling on site	Number of Vehicles	7	Paved	5/17/2044	5/13/2047	780
Cement Trucks - idling	Number of Vehicles	0		5/17/2044	5/13/2047	780
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	5/17/2044	5/13/2047	780

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
25	1089000	2	2178000	141570	545	45

K Line Northern Extension
Construction Data

Task Name	Duration (mo)	Start	Finish
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047
Station	72	2/12/2041	1/14/2047
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042
Shoring and excavation	19	3/4/2042	9/28/2043
Cast-in-place station box structure	19	12/8/2043	7/3/2045
MEP and Architectural finish work	17	7/4/2045	11/19/2046
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	6/12/2041	87
Bobcat-175	Fleet Averag	125	Diesel	2	0.50	8	4	8	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Excavator-120	Fleet Averag	54	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Rubber Tired Loader-250	Fleet Averag	221	Diesel	1	0.5	8	4	4	5/28/2041	9/8/2042	335
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Bobcat-175	Fleet Averag	125	Diesel	1	0.25	8	2	2	5/28/2041	9/8/2042	335
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	3/4/2042	11/29/2042	194
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Slurry/Bentonite Mixing Plant	Fleet Averag	120	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Slurry Pump	Fleet Averag	120	Electric	3	0.75	8	6	18	3/4/2042	11/29/2042	194
Mud Processing Plant	Fleet Averag	100	Electric	1	0.75	8	6	6	3/4/2042	11/29/2042	194
Machine Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Electrical Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	3/4/2042	11/29/2042	194
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Other Construction Equipment-500	Fleet Averag	450	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Bobcat-120	Fleet Averag	85	Diesel	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Drilling Polymer Plant/Pump Mixer-50	Fleet Averag	25	Electric	2	0.25	8	2	4	3/4/2042	11/29/2042	194
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Other General Industrial Equipment-175	Fleet Averag	167	Diesel	1	0.25	8	2	2	3/4/2042	11/29/2042	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	3/4/2042	11/29/2042	194
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Portable Light Plant - 50	Fleet Averag	50	Diesel	2	0.50	8	4	8	10/30/2042	1/22/2043	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	10/30/2042	1/22/2043	36
Off-Highway Truck-120	Fleet Averag	85	Diesel	2	0.25	8	2	4	10/30/2042	1/22/2043	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	1/22/2043	9/28/2043	178
Boom Truck-250	Fleet Averag	200	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Other Construction Equipment-120	Fleet Averag	100	Electric	4	1.00	16	16	64	1/22/2043	9/28/2043	178
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/22/2043	9/28/2043	178
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	1/22/2043	9/28/2043	178
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/8/2043	2/1/2044	40
Crane-500 (2 weekends)	Fleet Averag	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Averag	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Averag	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	12/8/2043	7/3/2045	410
Other Construction Equipment-120	Fleet Averag	100	Electric	2	1.00	16	16	32	12/8/2043	7/3/2045	410
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	7/3/2045	410
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	7/4/2045	11/19/2046	360
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	7/4/2045	11/19/2046	360
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	7/4/2045	11/19/2046	360
Backfill											
Crane-500	Fleet Averag	285	Electric	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Rubber Tired Dozer-120	Fleet Averag	80	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	7/4/2045	3/31/2046	194
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Portable Light Plant - 50	Fleet Averag	50	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	3/17/2046	6/9/2046	36
Off-Highway Truck-175	Fleet Averag	156	Diesel	2	1.00	8	8	16	3/17/2046	6/9/2046	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Roller-250	Fleet Averag	210	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206
Off-Highway Truck-250	Fleet Averag	200	Diesel	3	0.25	8	2	6	3/31/2046	1/14/2047	206

Task Name	Duration (mo)	Start	Finish
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047
Station	72	2/12/2041	1/14/2047
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042
Shoring and excavation	19	3/4/2042	9/28/2043
Cast-in-place station box structure	19	12/8/2043	7/3/2045
MEP and Architectural finish work	17	7/4/2045	11/19/2046
Backfill, exterior entry, and surface restoration	19	7/4/2045	1/14/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	otage to be c	0	0	2/12/2041	6/12/2041	87
Bulldozing (includes grading, excavating and trenching)	of activity p	8	Aggregate	2/12/2041	6/12/2041	87
Truck Loading Dust	erial being lo	132	Aggregate	2/12/2041	6/12/2041	87
Truck Loading on site - idling	nber of Vehi	11	12	2/12/2041	6/12/2041	87
Trucks Traveling on site	nber of Vehi	11	Paved	2/12/2041	6/12/2041	87
Deliveries on site - idling	nber of Vehi	0		2/12/2041	6/12/2041	87
Deliveries Traveling on site	nber of Vehi	0	Unpaved	2/12/2041	6/12/2041	87
Cement Trucks - idling	nber of Vehi	0		2/12/2041	6/12/2041	87
Cement Trucks Traveling on site	nber of Vehi	0	Unpaved	2/12/2041	6/12/2041	87
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	otage to be c	0	0	5/28/2041	9/8/2042	335
Bulldozing (includes grading, excavating and trenching)	of activity p	8	Dirt	5/28/2041	9/8/2042	335
Truck Loading Dust	erial being lo	0	Aggregate	5/28/2041	9/8/2042	335
Truck Loading on site - idling	nber of Vehi	0	12	5/28/2041	9/8/2042	335
Trucks Traveling on site	nber of Vehi	0	Unpaved	5/28/2041	9/8/2042	335
Deliveries on site - idling	nber of Vehi	4		5/28/2041	9/8/2042	335
Deliveries Traveling on site	nber of Vehi	4	Paved	5/28/2041	9/8/2042	335
Cement Trucks - idling	nber of Vehi	0		5/28/2041	9/8/2042	335
Cement Trucks Traveling on site	nber of Vehi	0	Unpaved	5/28/2041	9/8/2042	335
Shoring						
Demolition - enter area to be demolished	otage to be c	0	0	3/4/2042	11/29/2042	194
Bulldozing (includes grading, excavating and trenching)	of activity p	8	Dirt	3/4/2042	11/29/2042	194
Truck Loading Dust	erial being lo	240	Aggregate	3/4/2042	11/29/2042	194
Truck Loading on site - idling	nber of Vehi	20	12	3/4/2042	11/29/2042	194
Trucks Traveling on site	nber of Vehi	20	Unpaved	3/4/2042	11/29/2042	194
Deliveries on site - idling	nber of Vehi	4		3/4/2042	11/29/2042	194
Deliveries Traveling on site	nber of Vehi	4	Unpaved	3/4/2042	11/29/2042	194
Cement Trucks - idling	nber of Vehi	28		3/4/2042	11/29/2042	194
Cement Trucks Traveling on site	nber of Vehi	28	Paved	3/4/2042	11/29/2042	194

Excavation Quantity							
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day	
2	87120	2	174240	11325.6	130	11	

Decking - 12 Weekends						
Demolition - enter area to be demolished	otage to be c	0	0	10/30/2042	1/22/2043	36
Bulldozing (includes grading, excavating and trenching)	of activity p	0	Dirt	10/30/2042	1/22/2043	36
Truck Loading Dust	erial being lo	0	Aggregate	10/30/2042	1/22/2043	36
Truck Loading on site - idling	nber of Vehi	0	12	10/30/2042	1/22/2043	36
Trucks Traveling on site	nber of Vehi	0	Unpaved	10/30/2042	1/22/2043	36
Deliveries on site - idling	nber of Vehi	13		10/30/2042	1/22/2043	36
Deliveries Traveling on site	nber of Vehi	13	Unpaved	10/30/2042	1/22/2043	36
Cement Trucks - idling	nber of Vehi	0		10/30/2042	1/22/2043	36
Cement Trucks Traveling on site	nber of Vehi	0	Paved	10/30/2042	1/22/2043	36
Excavation						
Demolition - enter area to be demolished	otage to be c	0	0	1/22/2043	9/28/2043	178
Bulldozing (includes grading, excavating and trenching)	of activity p	32	Dirt	1/22/2043	9/28/2043	178
Truck Loading Dust	erial being lo	6,540	Dirt	1/22/2043	9/28/2043	178
Truck Loading on site - idling	nber of Vehi	327	20	1/22/2043	9/28/2043	178
Trucks Traveling on site	nber of Vehi	327	Paved	1/22/2043	9/28/2043	178
Deliveries on site - idling	nber of Vehi	0		1/22/2043	9/28/2043	178
Deliveries Traveling on site	nber of Vehi	0	Paved	1/22/2043	9/28/2043	178
Cement Trucks - idling	nber of Vehi	0		1/22/2043	9/28/2043	178
Cement Trucks Traveling on site	nber of Vehi	0	Paved	1/22/2043	9/28/2043	178
Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	otage to be c	0	0	12/8/2043	2/1/2044	40
Bulldozing (includes grading, excavating and trenching)	of activity p	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading Dust	erial being lo	0	Dirt	12/8/2043	2/1/2044	40
Truck Loading on site - idling	nber of Vehi	0	12	12/8/2043	2/1/2044	40
Trucks Traveling on site	nber of Vehi	0	Paved	12/8/2043	2/1/2044	40
Deliveries on site - idling	nber of Vehi	1		12/8/2043	2/1/2044	40
Deliveries Traveling on site	nber of Vehi	1	Paved	12/8/2043	2/1/2044	40
Cement Trucks - idling	nber of Vehi	0		12/8/2043	2/1/2044	40
Cement Trucks Traveling on site	nber of Vehi	0	Paved	12/8/2043	2/1/2044	40
Cast-in-place connection structure						
Demolition - enter area to be demolished	otage to be c	0	0	12/8/2043	7/3/2045	410
Bulldozing (includes grading, excavating and trenching)	of activity p	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading Dust	erial being lo	0	Dirt	12/8/2043	7/3/2045	410
Truck Loading on site - idling	nber of Vehi	0	12	12/8/2043	7/3/2045	410
Trucks Traveling on site	nber of Vehi	0	Paved	12/8/2043	7/3/2045	410
Deliveries on site - idling	nber of Vehi	0		12/8/2043	7/3/2045	410
Deliveries Traveling on site	nber of Vehi	0	Paved	12/8/2043	7/3/2045	410
Cement Trucks - idling	nber of Vehi	8		12/8/2043	7/3/2045	410
Cement Trucks Traveling on site	nber of Vehi	8	Paved	12/8/2043	7/3/2045	410
MEP and Architectural finish work						
Demolition - enter area to be demolished	otage to be c	0	0	7/4/2045	11/19/2046	360
Bulldozing (includes grading, excavating and trenching)	of activity p	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading Dust	erial being lo	0	Dirt	7/4/2045	11/19/2046	360
Truck Loading on site - idling	nber of Vehi	0	12	7/4/2045	11/19/2046	360
Trucks Traveling on site	nber of Vehi	0	Paved	7/4/2045	11/19/2046	360
Deliveries on site - idling	nber of Vehi	10		7/4/2045	11/19/2046	360
Deliveries Traveling on site	nber of Vehi	10	Paved	7/4/2045	11/19/2046	360
Cement Trucks - idling	nber of Vehi	0		7/4/2045	11/19/2046	360
Cement Trucks Traveling on site	nber of Vehi	0	Paved	7/4/2045	11/19/2046	360

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	1140	95	9855300	591318	3322	166
70	870	120	9500400	570024	3202	160
						326
		Volume (yd^3	716,878			
		x 1.3	931,941			

Backfill						
Demolition - enter area to be demolished	otage to be c	0	0	7/4/2045	3/31/2046	194
Bulldozing (includes grading, excavating and trenching)	of activity p	8	Dirt	7/4/2045	3/31/2046	194
Truck Loading Dust	erial being lo	1,752	Dirt	7/4/2045	3/31/2046	194
Truck Loading on site - idling	nber of Vehi	146	12	7/4/2045	3/31/2046	194
Trucks Traveling on site	nber of Vehi	146	Paved	7/4/2045	3/31/2046	194
Deliveries on site - idling	nber of Vehi	0		7/4/2045	3/31/2046	194
Deliveries Traveling on site	nber of Vehi	0	Paved	7/4/2045	3/31/2046	194
Cement Trucks - idling	nber of Vehi	0		7/4/2045	3/31/2046	194
Cement Trucks Traveling on site	nber of Vehi	0	Paved	7/4/2045	3/31/2046	194
Decking removal - 12 weekends						
Demolition - enter area to be demolished	otage to be c	0	0	3/17/2046	6/9/2046	36
Bulldozing (includes grading, excavating and trenching)	of activity p	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading Dust	erial being lo	0	Dirt	3/17/2046	6/9/2046	36
Truck Loading on site - idling	nber of Vehi	0	12	3/17/2046	6/9/2046	36
Trucks Traveling on site	nber of Vehi	0	Paved	3/17/2046	6/9/2046	36
Deliveries on site - idling	nber of Vehi	13		3/17/2046	6/9/2046	36
Deliveries Traveling on site	nber of Vehi	13	Paved	3/17/2046	6/9/2046	36
Cement Trucks - idling	nber of Vehi	0		3/17/2046	6/9/2046	36
Cement Trucks Traveling on site	nber of Vehi	0	Paved	3/17/2046	6/9/2046	36
Surface restoration						
Demolition - enter area to be demolished	otage to be c	0	0	3/31/2046	1/14/2047	206
Bulldozing (includes grading, excavating and trenching)	of activity p	6	Dirt	3/31/2046	1/14/2047	206
Truck Loading Dust	erial being lo	0	Dirt	3/31/2046	1/14/2047	206
Truck Loading on site - idling	nber of Vehi	0	12	3/31/2046	1/14/2047	206
Trucks Traveling on site	nber of Vehi	0	Paved	3/31/2046	1/14/2047	206
Deliveries on site - idling	nber of Vehi	4		3/31/2046	1/14/2047	206
Deliveries Traveling on site	nber of Vehi	4	Paved	3/31/2046	1/14/2047	206
Cement Trucks - idling	nber of Vehi	0		3/31/2046	1/14/2047	206
Cement Trucks Traveling on site	nber of Vehi	0	Paved	3/31/2046	1/14/2047	206

Backfill Quantity

	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
	70	1140	25	1995000	119700	1747	146
	70	870	60	3654000	219240		
			Volume (yd^3	209,222			
			x 1.3	271,989			

9.6

K Line Northern Extension
Construction Data

Task Name	Duration (mo)	Start	Finish
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043
Moblize - Tunneling	1	9/23/2042	10/20/2042
TBM Assembly	2	2/17/2043	4/13/2043
Tunnel Boring	21	4/14/2043	12/19/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	8	4/14/2043	12/7/2043
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044
TBM Reassembly	2	2/2/2044	3/28/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	9	3/29/2044	12/19/2044
Crosspassage	20	2/2/2044	9/11/2045
Crosspassage excavations (LBSM to HH)	4	2/2/2044	6/6/2044
Crosspassage structural concrete lining (LBSM to HH)	4	4/26/2044	8/29/2044
Crosspassage excavations (LBSM to LBW)	5	12/20/2044	5/22/2045
Crosspassage structural concrete lining (LBSM to LBW)	5	4/11/2045	9/11/2045
Trackwork	33	8/30/2044	5/20/2047
Trackwork, track systems, and structural concrete (LBSM to HH)	12	8/30/2044	8/28/2045
Trackwork, track systems, and structural concrete (LBSM to LBW)	21	9/12/2045	5/20/2047
La Brea/Santa Monica Station	85	4/9/2041	4/6/2048
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042
Shoring and excavation	17	12/3/2041	4/13/2043
Place concrete slab for station box	2	4/26/2044	6/20/2044
Cast-in-place station box structure	12	3/13/2046	3/11/2047
MEP and Architectural finish work	11	3/12/2047	2/10/2048
Backfill, exterior entry, and surface restoration	10	6/4/2047	4/6/2048

							Calculated				
Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	4/9/2041	9/6/2041	109
Bobcat-175	Fleet Averag	125	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Excavator-120	Fleet Averag	54	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Rubber Tired Loader-250	Fleet Averag	221	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Bobcat-175	Fleet Averag	125	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/3/2041	3/3/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/3/2041	3/3/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Other Construction Equipment-500	Fleet Averag	450	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Bobcat-120	Fleet Averag	85	Diesel	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Averag	25	Electric	2	0.25	8	2	4	12/3/2041	3/3/2042	65
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Other General Industrial Equipment-175	Fleet Averag	167	Diesel	1	0.25	8	2	2	12/3/2041	3/3/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/3/2041	3/3/2042	65
Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Portable Light Plant - 50	Fleet Averag	50	Diesel	1	0.50	8	4	4	2/1/2042	3/22/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/1/2042	3/22/2042	21
Off-Highway Truck-120	Fleet Averag	85	Diesel	1	0.25	8	2	2	2/1/2042	3/22/2042	21

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	3/22/2042	4/13/2043	276
Boom Truck-250	Fleet Averag	200	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Other Construction Equipment-120	Fleet Averag	100	Electric	2	1.00	16	16	32	3/22/2042	4/13/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	3/22/2042	4/13/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	3/22/2042	4/13/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/17/2043	4/13/2043	40
Crane-500 (6 days)	Fleet Averag	349	Electric	1	0.50	8	4	4	2/17/2043	4/13/2043	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	8	2	4	2/17/2043	4/13/2043	40
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	24	24	48	2/17/2043	4/13/2043	40
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Crane-500	Fleet Averag	349	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	4/14/2043	12/7/2043	170
Other Construction Equipment-50	Fleet Averag	50	Electric	1	1.00	20	20	20	4/14/2043	12/7/2043	170
Water Treatment Plant-120	Fleet Averag	100	Electric	1	0.50	24	12	12	4/14/2043	12/7/2043	170
Ventilation Plant-250	Fleet Averag	200	Electric	2	2.00	24	48	96	4/14/2043	12/7/2043	170
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Other Construction Equipment-120	Fleet Averag	60	Electric	1	0.50	20	10	10	4/14/2043	12/7/2043	170
Conveyor System-50	Fleet Averag	50	Electric	2	0.20	20	4	8	4/14/2043	12/7/2043	170
Bore/Drill Rig-1000	Fleet Averag	2,000	Electric	2	0.50	10	5	10	4/14/2043	12/7/2043	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	4/14/2043	12/7/2043	170
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Electrical Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	4/14/2043	12/7/2043	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	4/14/2043	12/7/2043	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/2/2044	3/28/2044	40
Crane-500 (6 days)	Fleet Averag	349	Electric	1	0.50	8	4	4	2/2/2044	3/28/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	8	2	4	2/2/2044	3/28/2044	40
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	24	24	48	2/2/2044	3/28/2044	40

Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	10	6/28/2044	4/17/2045								
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	3/29/2044	12/19/2044	190
Crane-500	Fleet Averag	349	Electric	1	0.20	20	4	4	3/29/2044	12/19/2044	190
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	3/29/2044	12/19/2044	190
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	20	5	10	3/29/2044	12/19/2044	190
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	3/29/2044	12/19/2044	190
Other Construction Equipment-50	Fleet Averag	50	Electric	1	1.00	20	20	20	3/29/2044	12/19/2044	190
Water Treatment Plant-120	Fleet Averag	100	Electric	1	0.50	24	12	12	3/29/2044	12/19/2044	190
Ventilation Plant-250	Fleet Averag	200	Electric	2	2.00	24	48	96	3/29/2044	12/19/2044	190
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	20	10	10	3/29/2044	12/19/2044	190
Other Construction Equipment-120	Fleet Averag	60	Electric	1	0.50	20	10	10	3/29/2044	12/19/2044	190
Conveyor System-50	Fleet Averag	50	Electric	2	0.20	20	4	8	3/29/2044	12/19/2044	190
Bore/Drill Rig-1000	Fleet Averag	2,000	Electric	2	0.50	10	5	10	3/29/2044	12/19/2044	190
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	3/29/2044	12/19/2044	190
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	20	4	4	3/29/2044	12/19/2044	190
Electrical Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	3/29/2044	12/19/2044	190
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/29/2044	12/19/2044	190
Crosspassage	25	5/3/2044	5/14/2046								
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	2/2/2044	9/11/2045	420
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	2/2/2044	9/11/2045	420
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	2/2/2044	9/11/2045	420
Other Construction Equipment-50	Fleet Averag	50	Electric	4	1.00	8	8	32	2/2/2044	9/11/2045	420
Ventilation Plant-250	Fleet Averag	200	Electric	2	1.00	24	24	48	2/2/2044	9/11/2045	420
Other Material Handling Equipment-175	Fleet Averag	150	Electric	2	0.05	8	0	1	2/2/2044	9/11/2045	420
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	2/2/2044	9/11/2045	420
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	10	2	2	2/2/2044	9/11/2045	420
Other Construction Equipment-50	Fleet Averag	50	Electric	2	0.20	10	2	4	2/2/2044	9/11/2045	420
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	10	3	5	2/2/2044	9/11/2045	420
Water Treatment Plant-120	Fleet Averag	100	Electric	2	1.00	24	24	48	2/2/2044	9/11/2045	420
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	8/30/2044	5/20/2047	710
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	8/30/2044	5/20/2047	710
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	8	8	16	8/30/2044	5/20/2047	710
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	8/30/2044	5/20/2047	710
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	1/13/2046	3/11/2047	301
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/13/2046	3/11/2047	301
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	8	4	4	1/13/2046	3/11/2047	301
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/13/2046	3/11/2047	301
Other Construction Equipment-120	Fleet Averag	100	Electric	2	1.00	16	16	32	1/13/2046	3/11/2047	301
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/13/2046	3/11/2047	301
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/12/2047	2/10/2048	240
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	3/12/2047	2/10/2048	240
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	3/12/2047	2/10/2048	240
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	3/12/2047	2/10/2048	240
Backfill											
Crane-500	Fleet Averag	285	Electric	1	0.50	8	4	4	6/4/2047	11/11/2047	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/4/2047	11/11/2047	115
Rubber Tired Dozer-120	Fleet Averag	80	Diesel	1	0.50	8	4	4	6/4/2047	11/11/2047	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	6/4/2047	11/11/2047	115

Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/28/2047	12/16/2047	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	10/28/2047	12/16/2047	21
Portable Light Plant - 50	Fleet Averag	50	Diesel	4	0.50	8	4	16	10/28/2047	12/16/2047	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	10/28/2047	12/16/2047	21
Off-Highway Truck-175	Fleet Averag	156	Diesel	1	1.00	8	8	8	10/28/2047	12/16/2047	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	11/11/2047	4/6/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	11/11/2047	4/6/2048	106
Roller-250	Fleet Averag	210	Diesel	4	0.25	8	2	8	11/11/2047	4/6/2048	106
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	11/11/2047	4/6/2048	106

Task Name	Duration (mo)	Start	Finish
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043
Moblize - Tunneling	1	9/23/2042	10/20/2042
TBM Assembly	2	2/17/2043	4/13/2043
Tunnel Boring	21	4/14/2043	12/19/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	8	4/14/2043	12/7/2043
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044
TBM Reassembly	2	2/2/2044	3/28/2044
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	9	3/29/2044	12/19/2044
Crosspassage	20	2/2/2044	9/11/2045
Crosspassage excavations (LBSM to HH)	4	2/2/2044	6/6/2044
Crosspassage structural concrete lining (LBSM to HH)	4	4/26/2044	8/29/2044
Crosspassage excavations (LBSM to LBW)	5	12/20/2044	5/22/2045
Crosspassage structural concrete lining (LBSM to LBW)	5	4/11/2045	9/11/2045
Trackwork	33	8/30/2044	5/20/2047
Trackwork, track systems, and structural concrete (LBSM to HH)	12	8/30/2044	8/28/2045
Trackwork, track systems, and structural concrete (LBSM to LBW)	21	9/12/2045	5/20/2047
La Brea/Santa Monica Station	85	4/9/2041	4/6/2048
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042
Shoring and excavation	17	12/3/2041	4/13/2043
Place concrete slab for station box	2	4/26/2044	6/20/2044
Cast-in-place station box structure	12	3/13/2046	3/11/2047
MEP and Architectural finish work	11	3/12/2047	2/10/2048
Backfill, exterior entry, and surface restoration	10	6/4/2047	4/6/2048

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)	Excavation Quantity Area (acres)	Area (ft2)	Depth (ft)	Volume (ft^3	Weight (ton	Tons/day	Trucks/day
Demolition													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/9/2041	9/6/2041	109							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/9/2041	9/6/2041	109							
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	4/9/2041	9/6/2041	109	3	130680	2	261360	16988.4	156	13
Truck Loading on site - idling	Number of Vehicles	13	12	4/9/2041	9/6/2041	109							
Trucks Traveling on site	Number of Vehicles	13	Paved	4/9/2041	9/6/2041	109							
Deliveries on site - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109							
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109							
Cement Trucks - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109							
Utility Relocation & Site Preparaton													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/22/2041	4/28/2042	178							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/22/2041	4/28/2042	178							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/22/2041	4/28/2042	178							
Truck Loading on site - idling	Number of Vehicles	0	12	8/22/2041	4/28/2042	178							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178							
Deliveries on site - idling	Number of Vehicles	4		8/22/2041	4/28/2042	178							
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/22/2041	4/28/2042	178							
Cement Trucks - idling	Number of Vehicles	0		8/22/2041	4/28/2042	178							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178							
Shoring													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/3/2041	3/3/2042	65	3.0						
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/3/2041	3/3/2042	65							
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/3/2041	3/3/2042	65							
Truck Loading on site - idling	Number of Vehicles	5	12	12/3/2041	3/3/2042	65							
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/3/2041	3/3/2042	65							
Deliveries on site - idling	Number of Vehicles	1		12/3/2041	3/3/2042	65							
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/3/2041	3/3/2042	65							
Cement Trucks - idling	Number of Vehicles	7		12/3/2041	3/3/2042	65							
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/3/2041	3/3/2042	65							
Decking - 7 Weekends													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/1/2042	3/22/2042	21							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/1/2042	3/22/2042	21							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/1/2042	3/22/2042	21							
Truck Loading on site - idling	Number of Vehicles	0	12	2/1/2042	3/22/2042	21							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/1/2042	3/22/2042	21							
Deliveries on site - idling	Number of Vehicles	13		2/1/2042	3/22/2042	21							
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/1/2042	3/22/2042	21							
Cement Trucks - idling	Number of Vehicles	0		2/1/2042	3/22/2042	21							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/1/2042	3/22/2042	21							

Excavation													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/22/2042	4/13/2043	276	Excavation Quantity						
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	3/22/2042	4/13/2043	276	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
Truck Loading Dust	Tons of material being loaded per day	780	Dirt	3/22/2042	4/13/2043	276	70	470	82.5	3528525	211711.5	767	38
Truck Loading on site - idling	Number of Vehicles	39	20	3/22/2042	4/13/2043	276							
Trucks Traveling on site	Number of Vehicles	39	Paved	3/22/2042	4/13/2043	276			Volume (yd^3	130,686			
Deliveries on site - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276			x 1.3	169,892			
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276							
Cement Trucks - idling	Number of Vehicles	0		3/22/2042	4/13/2043	276							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/22/2042	4/13/2043	276							
TBM Equipment Setup													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20							
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20							
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20							
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20							
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20							
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20							
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20							
TBM Assembly													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/17/2043	4/13/2043	40							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/17/2043	4/13/2043	40							
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/17/2043	4/13/2043	40							
Truck Loading on site - idling	Number of Vehicles	0	12	2/17/2043	4/13/2043	40							
Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40							
Deliveries on site - idling	Number of Vehicles	2		2/17/2043	4/13/2043	40							
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/17/2043	4/13/2043	40							
Cement Trucks - idling	Number of Vehicles	0		2/17/2043	4/13/2043	40							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2043	4/13/2043	40							
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/14/2043	12/7/2043	170	Excavation Quantity						
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	4/14/2043	12/7/2043	170	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
Truck Loading Dust	Tons of material being loaded per day	1,360	Dirt	4/14/2043	12/7/2043	170	22	5025	380.13271	3820333.7	229220.02	1348	67
Truck Loading on site - idling	Number of Vehicles	68	20	4/14/2043	12/7/2043	170		27400					
Trucks Traveling on site	Number of Vehicles	68	Paved	4/14/2043	12/7/2043	170		32425	olume (yd^3	141,494			
Deliveries on site - idling	Number of Vehicles	17		4/14/2043	12/7/2043	170			x 1.3	183,942			
Deliveries Traveling on site	Number of Vehicles	17	Paved	4/14/2043	12/7/2043	170							
Cement Trucks - idling	Number of Vehicles	0		4/14/2043	12/7/2043	170							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/14/2043	12/7/2043	170							
TBM Reassembly													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	3/28/2044	40							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/2/2044	3/28/2044	40							
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/2/2044	3/28/2044	40							
Truck Loading on site - idling	Number of Vehicles	0	12	2/2/2044	3/28/2044	40		14336	28672				
Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40							
Deliveries on site - idling	Number of Vehicles	2		2/2/2044	3/28/2044	40							
Deliveries Traveling on site	Number of Vehicles	2	Paved	2/2/2044	3/28/2044	40							
Cement Trucks - idling	Number of Vehicles	0		2/2/2044	3/28/2044	40							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/2/2044	3/28/2044	40							
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/29/2044	12/19/2044	190	Excavation Quantity						
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	3/29/2044	12/19/2044	190	Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
Truck Loading Dust	Tons of material being loaded per day	2,240	Dirt	3/29/2044	12/19/2044	190	22	9311	380.13271	7078831.3	424729.88	2235	112
Truck Loading on site - idling	Number of Vehicles	112	20	3/29/2044	12/19/2044	190		17625					
Trucks Traveling on site	Number of Vehicles	112	Paved	3/29/2044	12/19/2044	190		26936	olume (yd^3	262,179			
Deliveries on site - idling	Number of Vehicles	17		3/29/2044	12/19/2044	190			x 1.3	340,833			
Deliveries Traveling on site	Number of Vehicles	17	Paved	3/29/2044	12/19/2044	190							
Cement Trucks - idling	Number of Vehicles	0		3/29/2044	12/19/2044	190							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/29/2044	12/19/2044	190							

Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/2/2044	9/11/2045	420
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	2/2/2044	9/11/2045	420
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	2/2/2044	9/11/2045	420
Truck Loading on site - idling	Number of Vehicles	1	12	2/2/2044	9/11/2045	420
Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	9/11/2045	420
Deliveries on site - idling	Number of Vehicles	0		2/2/2044	9/11/2045	420
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/2/2044	9/11/2045	420
Cement Trucks - idling	Number of Vehicles	1		2/2/2044	9/11/2045	420
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	2/2/2044	9/11/2045	420
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/30/2044	5/20/2047	710
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/30/2044	5/20/2047	710
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/30/2044	5/20/2047	710
Truck Loading on site - idling	Number of Vehicles	0	12	8/30/2044	5/20/2047	710
Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	5/20/2047	710
Deliveries on site - idling	Number of Vehicles	7		8/30/2044	5/20/2047	710
Deliveries Traveling on site	Number of Vehicles	7	Paved	8/30/2044	5/20/2047	710
Cement Trucks - idling	Number of Vehicles	0		8/30/2044	5/20/2047	710
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/30/2044	5/20/2047	710
Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/13/2046	3/11/2047	301
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/13/2046	3/11/2047	301
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/13/2046	3/11/2047	301
Truck Loading on site - idling	Number of Vehicles	0	12	1/13/2046	3/11/2047	301
Trucks Traveling on site	Number of Vehicles	0	Paved	1/13/2046	3/11/2047	301
Deliveries on site - idling	Number of Vehicles	0		1/13/2046	3/11/2047	301
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/13/2046	3/11/2047	301
Cement Trucks - idling	Number of Vehicles	8		1/13/2046	3/11/2047	301
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	1/13/2046	3/11/2047	301
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/12/2047	2/10/2048	240
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/12/2047	2/10/2048	240
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/12/2047	2/10/2048	240
Truck Loading on site - idling	Number of Vehicles	0	12	3/12/2047	2/10/2048	240
Trucks Traveling on site	Number of Vehicles	0	Paved	3/12/2047	2/10/2048	240
Deliveries on site - idling	Number of Vehicles	10		3/12/2047	2/10/2048	240
Deliveries Traveling on site	Number of Vehicles	10	Paved	3/12/2047	2/10/2048	240
Cement Trucks - idling	Number of Vehicles	0		3/12/2047	2/10/2048	240
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/12/2047	2/10/2048	240
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/4/2047	11/11/2047	115
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/4/2047	11/11/2047	115
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	6/4/2047	11/11/2047	115
Truck Loading on site - idling	Number of Vehicles	44	12	6/4/2047	11/11/2047	115
Trucks Traveling on site	Number of Vehicles	44	Paved	6/4/2047	11/11/2047	115
Deliveries on site - idling	Number of Vehicles	0		6/4/2047	11/11/2047	115
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/4/2047	11/11/2047	115
Cement Trucks - idling	Number of Vehicles	0		6/4/2047	11/11/2047	115
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/4/2047	11/11/2047	115
Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/28/2047	12/16/2047	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/28/2047	12/16/2047	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/28/2047	12/16/2047	21
Truck Loading on site - idling	Number of Vehicles	0	12	10/28/2047	12/16/2047	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/28/2047	12/16/2047	21
Deliveries on site - idling	Number of Vehicles	13		10/28/2047	12/16/2047	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	10/28/2047	12/16/2047	21
Cement Trucks - idling	Number of Vehicles	0		10/28/2047	12/16/2047	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/28/2047	12/16/2047	21

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
12	280	12	40320	2419.2	6	0

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	470	23.5	1005095	60305.7	524	44

Volume (yd^3	37,226
x 1.3	48,393

Surface restoration							
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/11/2047	4/6/2048	106	4.9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	11/11/2047	4/6/2048	106	
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/11/2047	4/6/2048	106	
Truck Loading on site - idling	Number of Vehicles	0	12	11/11/2047	4/6/2048	106	
Trucks Traveling on site	Number of Vehicles	0	Paved	11/11/2047	4/6/2048	106	
Deliveries on site - idling	Number of Vehicles	6		11/11/2047	4/6/2048	106	
Deliveries Traveling on site	Number of Vehicles	6	Paved	11/11/2047	4/6/2048	106	
Cement Trucks - idling	Number of Vehicles	0		11/11/2047	4/6/2048	106	
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/11/2047	4/6/2048	106	

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
Station	62	7/15/2042	8/19/2047	1330
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	320
Shoring and excavation	15	4/21/2043	7/11/2044	320
Cast-in-place station box structure	15	3/14/2045	6/4/2046	320
MEP and Architectural finish work	13	6/5/2046	6/24/2047	275
Backfill, exterior entry, and surface restoration	15	6/5/2046	8/19/2047	315

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/15/2042	1/16/2043	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/2/2043	10/5/2043	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/2/2043	10/5/2043	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	4/21/2043	8/19/2043	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	4/21/2043	8/19/2043	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	4/21/2043	8/19/2043	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	4/21/2043	8/19/2043	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	4/21/2043	8/19/2043	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	7/20/2043	10/12/2043	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/20/2043	10/12/2043	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	7/20/2043	10/12/2043	36
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/12/2043	7/11/2044	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/12/2043	7/11/2044	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/12/2043	7/11/2044	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/12/2043	7/11/2044	196

Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/14/2045	6/4/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/14/2045	6/4/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/14/2045	6/4/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/14/2045	6/4/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/14/2045	6/4/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/14/2045	6/4/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	6/5/2046	6/24/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	6/5/2046	6/24/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	6/5/2046	6/24/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	6/5/2046	6/24/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	6/5/2046	12/12/2046	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/5/2046	12/12/2046	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	6/5/2046	12/12/2046	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	6/5/2046	12/12/2046	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	11/28/2046	2/20/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	11/28/2046	2/20/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	11/28/2046	2/20/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	11/28/2046	2/20/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	11/28/2046	2/20/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	12/12/2046	8/19/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	12/12/2046	8/19/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	12/12/2046	8/19/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	12/12/2046	8/19/2047	179

Task Name	Duration	Start	Finish
Station	62	7/15/2042	8/19/2047
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043
Shoring and excavation	15	4/21/2043	7/11/2044
Cast-in-place station box structure	15	3/14/2045	6/4/2046
MEP and Architectural finish work	13	6/5/2046	6/24/2047
Backfill, exterior entry, and surface restoration	15	6/5/2046	8/19/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Footage to be den	0	0	7/15/2042	1/16/2043	134
Bulldozing (includes grading, excavating and trenching)	urs of activity per	4	Aggregate	7/15/2042	1/16/2043	134
Truck Loading Dust	aterial being load	48	Aggregate	7/15/2042	1/16/2043	134
Truck Loading on site - idling	lumber of Vehicle	4	12	7/15/2042	1/16/2043	134
Trucks Traveling on site	lumber of Vehicle	4	Paved	7/15/2042	1/16/2043	134
Deliveries on site - idling	lumber of Vehicle	0		7/15/2042	1/16/2043	134
Deliveries Traveling on site	lumber of Vehicle	0	Unpaved	7/15/2042	1/16/2043	134
Cement Trucks - idling	lumber of Vehicle	0		7/15/2042	1/16/2043	134
Cement Trucks Traveling on site	lumber of Vehicle	0	Unpaved	7/15/2042	1/16/2043	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Footage to be den	0	0	1/2/2043	10/5/2043	197
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	1/2/2043	10/5/2043	197
Truck Loading Dust	aterial being load	0	Aggregate	1/2/2043	10/5/2043	197
Truck Loading on site - idling	lumber of Vehicle	0	12	1/2/2043	10/5/2043	197
Trucks Traveling on site	lumber of Vehicle	0	Unpaved	1/2/2043	10/5/2043	197
Deliveries on site - idling	lumber of Vehicle	4		1/2/2043	10/5/2043	197
Deliveries Traveling on site	lumber of Vehicle	4	Paved	1/2/2043	10/5/2043	197
Cement Trucks - idling	lumber of Vehicle	0		1/2/2043	10/5/2043	197
Cement Trucks Traveling on site	lumber of Vehicle	0	Unpaved	1/2/2043	10/5/2043	197
Shoring						
Demolition - enter area to be demolished	Footage to be den	0	0	4/21/2043	8/19/2043	87
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	4/21/2043	8/19/2043	87
Truck Loading Dust	aterial being load	60	Aggregate	4/21/2043	8/19/2043	87
Truck Loading on site - idling	lumber of Vehicle	5	12	4/21/2043	8/19/2043	87
Trucks Traveling on site	lumber of Vehicle	5	Unpaved	4/21/2043	8/19/2043	87
Deliveries on site - idling	lumber of Vehicle	1		4/21/2043	8/19/2043	87
Deliveries Traveling on site	lumber of Vehicle	1	Unpaved	4/21/2043	8/19/2043	87
Cement Trucks - idling	lumber of Vehicle	7		4/21/2043	8/19/2043	87
Cement Trucks Traveling on site	lumber of Vehicle	7	Paved	4/21/2043	8/19/2043	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Footage to be den	0	0	7/20/2043	10/12/2043	36
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	7/20/2043	10/12/2043	36
Truck Loading Dust	aterial being load	0	Aggregate	7/20/2043	10/12/2043	36
Truck Loading on site - idling	lumber of Vehicle	0	12	7/20/2043	10/12/2043	36
Trucks Traveling on site	lumber of Vehicle	0	Unpaved	7/20/2043	10/12/2043	36
Deliveries on site - idling	lumber of Vehicle	13		7/20/2043	10/12/2043	36
Deliveries Traveling on site	lumber of Vehicle	13	Unpaved	7/20/2043	10/12/2043	36
Cement Trucks - idling	lumber of Vehicle	0		7/20/2043	10/12/2043	36
Cement Trucks Traveling on site	lumber of Vehicle	0	Paved	7/20/2043	10/12/2043	36

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

4.0

Excavation						
Demolition - enter area to be demolished	Footage to be den	0	0	10/12/2043	7/11/2044	196
Bulldozing (includes grading, excavating and trenching)	urs of activity per	16	Dirt	10/12/2043	7/11/2044	196
Truck Loading Dust	aterial being load	1,920	Dirt	10/12/2043	7/11/2044	196
Truck Loading on site - idling	Number of Vehicle	96	20	10/12/2043	7/11/2044	196
Trucks Traveling on site	Number of Vehicle	96	Paved	10/12/2043	7/11/2044	196
Deliveries on site - idling	Number of Vehicle	0		10/12/2043	7/11/2044	196
Deliveries Traveling on site	Number of Vehicle	0	Paved	10/12/2043	7/11/2044	196
Cement Trucks - idling	Number of Vehicle	0		10/12/2043	7/11/2044	196
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	10/12/2043	7/11/2044	196
Cast-in-place station box structure						
Demolition - enter area to be demolished	Footage to be den	0	0	3/14/2045	6/4/2046	320
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	3/14/2045	6/4/2046	320
Truck Loading Dust	aterial being load	0	Dirt	3/14/2045	6/4/2046	320
Truck Loading on site - idling	Number of Vehicle	0	12	3/14/2045	6/4/2046	320
Trucks Traveling on site	Number of Vehicle	0	Paved	3/14/2045	6/4/2046	320
Deliveries on site - idling	Number of Vehicle	0		3/14/2045	6/4/2046	320
Deliveries Traveling on site	Number of Vehicle	0	Paved	3/14/2045	6/4/2046	320
Cement Trucks - idling	Number of Vehicle	8		3/14/2045	6/4/2046	320
Cement Trucks Traveling on site	Number of Vehicle	8	Paved	3/14/2045	6/4/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Footage to be den	0	0	6/5/2046	6/24/2047	275
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	6/5/2046	6/24/2047	275
Truck Loading Dust	aterial being load	0	Dirt	6/5/2046	6/24/2047	275
Truck Loading on site - idling	Number of Vehicle	0	12	6/5/2046	6/24/2047	275
Trucks Traveling on site	Number of Vehicle	0	Paved	6/5/2046	6/24/2047	275
Deliveries on site - idling	Number of Vehicle	10		6/5/2046	6/24/2047	275
Deliveries Traveling on site	Number of Vehicle	10	Paved	6/5/2046	6/24/2047	275
Cement Trucks - idling	Number of Vehicle	0		6/5/2046	6/24/2047	275
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	6/5/2046	6/24/2047	275
Backfill						
Demolition - enter area to be demolished	Footage to be den	0	0	6/5/2046	12/12/2046	137
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	6/5/2046	12/12/2046	137
Truck Loading Dust	aterial being load	828	Dirt	6/5/2046	12/12/2046	137
Truck Loading on site - idling	Number of Vehicle	69	12	6/5/2046	12/12/2046	137
Trucks Traveling on site	Number of Vehicle	69	Paved	6/5/2046	12/12/2046	137
Deliveries on site - idling	Number of Vehicle	0		6/5/2046	12/12/2046	137
Deliveries Traveling on site	Number of Vehicle	0	Paved	6/5/2046	12/12/2046	137
Cement Trucks - idling	Number of Vehicle	0		6/5/2046	12/12/2046	137
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	6/5/2046	12/12/2046	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Footage to be den	0	0	11/28/2046	2/20/2047	36
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	11/28/2046	2/20/2047	36
Truck Loading Dust	aterial being load	0	Dirt	11/28/2046	2/20/2047	36
Truck Loading on site - idling	Number of Vehicle	0	12	11/28/2046	2/20/2047	36
Trucks Traveling on site	Number of Vehicle	0	Paved	11/28/2046	2/20/2047	36
Deliveries on site - idling	Number of Vehicle	13		11/28/2046	2/20/2047	36
Deliveries Traveling on site	Number of Vehicle	13	Paved	11/28/2046	2/20/2047	36
Cement Trucks - idling	Number of Vehicle	0		11/28/2046	2/20/2047	36
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	11/28/2046	2/20/2047	36

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	935	73	6211205	372672.3	1901	95

Volume (yd^3 230,045
x 1.3 299,058

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
70	935	22	1871870	112312.2	820	68

Volume (yd^3 69,329
x 1.3 90,127

Surface restoration							
Demolition - enter area to be demolished	Footage to be den	0	0	12/12/2046	8/19/2047	179	8.3
Bulldozing (includes grading, excavating and trenching)	urs of activity per	4	Dirt	12/12/2046	8/19/2047	179	
Truck Loading Dust	aterial being load	0	Dirt	12/12/2046	8/19/2047	179	
Truck Loading on site - idling	Number of Vehicle	0	12	12/12/2046	8/19/2047	179	
Trucks Traveling on site	Number of Vehicle	0	Paved	12/12/2046	8/19/2047	179	
Deliveries on site - idling	Number of Vehicle	3		12/12/2046	8/19/2047	179	
Deliveries Traveling on site	Number of Vehicle	3	Paved	12/12/2046	8/19/2047	179	
Cement Trucks - idling	Number of Vehicle	0		12/12/2046	8/19/2047	179	
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	12/12/2046	8/19/2047	179	

Task Name	Duration (mo)	Start	Finish	
Section 2: La Brea/Wilshire to Hollywood/Highland	101	1/14/2041	5/10/2049	8.3232877
Pre-Construction	24	1/14/2041	1/12/2043	
Notice to Proceed	0	1/14/2041	1/14/2041	
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	18	1/15/2041	7/14/2042	
Mobilization	1	1/15/2041	2/11/2041	
Oil Well Detection and Decommission	24	1/15/2041	1/12/2043	
Guideway and Tunnel	74	4/9/2041	5/20/2047	
Launch Site - La Brea/Santa Monica	24	4/9/2041	4/13/2043	
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	
Shoring and Excavation	17	12/3/2041	4/13/2043	
Moblize - Tunneling	1	9/23/2042	10/20/2042	
TBM Assembly	2	2/17/2043	4/13/2043	
Tunnel Boring	21	4/14/2043	12/19/2044	
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	7	4/14/2043	10/26/2043	
Bore tunnel tail tracks Hollywood/Highland	1	10/27/2043	12/7/2043	
Disassembly of TBM and Relocate	2	12/8/2043	2/1/2044	
TBM Reassembly	2	2/2/2044	3/28/2044	
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	9	3/29/2044	12/19/2044	
Crosspassage	20	2/2/2044	9/11/2045	
Crosspassage excavations (LBSM to HH)	4	2/2/2044	6/6/2044	
Crosspassage structural concrete lining (LBSM to HH)	4	4/26/2044	8/29/2044	
Crosspassage excavations (LBSM to LBW)	5	12/20/2044	5/22/2045	
Crosspassage structural concrete lining (LBSM to LBW)	5	4/11/2045	9/11/2045	
Trackwork	33	8/30/2044	5/20/2047	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	8/30/2044	8/28/2045	
Trackwork, track systems, and structural concrete (LBSM to LBW)	21	9/12/2045	5/20/2047	
La Brea/Santa Monica Station	85	4/9/2041	4/6/2048	
Station	85	4/9/2041	4/6/2048	
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	
Shoring and excavation	17	12/3/2041	4/13/2043	
Place concrete slab for station box	2	4/26/2044	6/20/2044	
Cast-in-place station box structure	12	3/13/2046	3/11/2047	
MEP and Architectural finish work	11	3/12/2047	2/10/2048	
Backfill, exterior entry, and surface restoration	10	6/4/2047	4/6/2048	
Hollywood/Highland Monica Station and Crossover	72	2/12/2041	1/14/2047	
Station	72	2/12/2041	1/14/2047	
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	
Shoring and excavation	19	3/4/2042	9/28/2043	410
Cast-in-place station box structure	19	12/8/2043	7/3/2045	
MEP and Architectural finish work	17	7/4/2045	11/19/2046	
Backfill, exterior entry, and surface restoration	16	9/26/2045	1/14/2047	
Crossover	69	2/12/2041	10/22/2046	
Demolition, utility relocation, and site preparation	19	2/12/2041	9/8/2042	
Shoring and excavation	19	1/28/2042	8/24/2043	410
Cast-in-place station box structure	19	12/8/2043	7/3/2045	
Backfill, exterior entry, and surface restoration	16	7/4/2045	10/22/2046	
La Brea/Beverly Station and Crossover	62	7/15/2042	8/19/2047	
Station	62	7/15/2042	8/19/2047	
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	
Shoring and excavation	15	4/21/2043	7/11/2044	
Cast-in-place station box structure	15	3/14/2045	6/4/2046	
MEP and Architectural finish work	13	6/5/2046	6/24/2047	
Backfill, exterior entry, and surface restoration	12	8/21/2046	8/19/2047	
Crossover	59	7/15/2042	6/3/2047	
Demolition, utility relocation, and site preparation	15	7/15/2042	10/5/2043	
Shoring and excavation	15	4/21/2043	7/11/2044	
Cast-in-place station box structure	15	3/14/2045	6/4/2046	
Backfill, exterior entry, and surface restoration	12	6/5/2046	6/3/2047	
New Maintenance and Storage Facility	49	2/12/2041	2/6/2045	
Demolition, grading, and site preparation	12	2/12/2041	2/10/2042	
Facility structures, trackwork, and systems	36	2/11/2042	2/6/2045	
Alignment Start-up	24	5/14/2047	5/10/2049	
Systems testing and commissioning	24	5/14/2047	5/10/2049	
Milestone: Early Revenue Service Date - Section 2	0	5/10/2049	5/10/2049	
Section 2: La Brea/Wilshire to Hollywood/Highland Late	119	1/14/2041	11/7/2050	
Notice to Proceed	0	1/14/2041	1/14/2041	
Milestone: Early Revenue Service Date - Section 2	0	5/10/2049	5/10/2049	
Unallocated Contingency	18	5/11/2049	11/7/2050	
Milestone: Late Revenue Service Date - Section 2	0	11/7/2050	11/7/2050	

Task Name	Duration (mo)	Start	Finish	Date Difference		
Section 2: La Brea/Wilshire to Hollywood/Highland	434.2 wks	1/14/2041	5/10/2049	0	0	
Pre-Construction	104.2 wks	1/14/2041	1/12/2043	0	0	
Notice to Proceed	1 day	1/14/2041	1/14/2041	0	0	
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042	0	0	
Mobilization	4 wks	1/15/2041	2/11/2041	0	0	
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043	0	0	
Guideway and Tunnel	319 wks	4/9/2041	5/20/2047	0	0	
Launch Site - La Brea/Santa Monica	105 wks	4/9/2041	4/13/2043	0	0	
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0	
Shoring and Excavation	71 wks	12/3/2041	4/13/2043	0	0	
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042	0	0	
TBM Assembly	8 wks	2/17/2043	4/13/2043	0	0	
Tunnel Boring	88 wks	4/14/2043	12/19/2044	0	0	
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	28 wks	4/14/2043	10/26/2043	0	0	
Bore tunnel tail tracks Hollywood/Highland	6 wks	10/27/2043	12/7/2043	0	0	
Disassembly of TBM and Relocate	8 wks	12/8/2043	2/1/2044	0	0	
TBM Reassembly	8 wks	2/2/2044	3/28/2044	0	0	
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	38 wks	3/29/2044	12/19/2044	0	0	
Crosspassage	84 wks	2/2/2044	9/11/2045	0	0	
Crosspassage excavations (LBSM to HH)	18 wks	2/2/2044	6/6/2044	0	0	
Crosspassage structural concrete lining (LBSM to HH)	18 wks	4/26/2044	8/29/2044	0	0	
Crosspassage excavations (LBSM to LBW)	22 wks	12/20/2044	5/22/2045	0	0	
Crosspassage structural concrete lining (LBSM to LBW)	22 wks	4/11/2045	9/11/2045	0	0	
Trackwork	142 wks	8/30/2044	5/20/2047	0	0	
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	8/30/2044	8/28/2045	0	0	
Trackwork, track systems, and structural concrete (LBSM to LBW)	88 wks	9/12/2045	5/20/2047	0	0	
La Brea/Santa Monica Station	365 wks	4/9/2041	4/6/2048	0	0	
Station	365 wks	4/9/2041	4/6/2048	0	0	
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042	0	0	
Shoring and excavation	71 wks	12/3/2041	4/13/2043	0	0	
Place concrete slab for station box	8 wks	4/26/2044	6/20/2044	0	0	
Cast-in-place station box structure	52 wks	3/13/2046	3/11/2047	0	0	
MEP and Architectural finish work	48 wks	3/12/2047	2/10/2048	0	0	
Backfill, exterior entry, and surface restoration	44 wks	6/4/2047	4/6/2048	0	0	
Hollywood/Highland Station and Crossover	309 wks	2/12/2041	1/14/2047	0	0	
Station	309 wks	2/12/2041	1/14/2047	0	0	
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0	
Shoring and excavation	82 wks	3/4/2042	9/28/2043	0	0	410
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0	
MEP and Architectural finish work	72 wks	7/4/2045	11/19/2046	0	0	
Backfill, exterior entry, and surface restoration	68 wks	9/26/2045	1/14/2047	0	0	
(2) Double Crossovers	297 wks	2/12/2041	10/22/2046	0	0	
Demolition, utility relocation, and site preparation	82 wks	2/12/2041	9/8/2042	0	0	
Shoring and excavation	82 wks	3/4/2042	9/28/2043	-35	-35	410
Cast-in-place station box structure	82 wks	12/8/2043	7/3/2045	0	0	
Backfill, exterior entry, and surface restoration	68 wks	7/4/2045	10/22/2046	0	0	
La Brea/Beverly Station and Crossover	266 wks	7/15/2042	8/19/2047	0	0	
Station	266 wks	7/15/2042	8/19/2047	0	0	
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0	
Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0	
Cast-in-place station box structure	64 wks	3/14/2045	6/4/2046	0	0	
MEP and Architectural finish work	55 wks	6/5/2046	6/24/2047	0	0	
Backfill, exterior entry, and surface restoration	52 wks	8/21/2046	8/19/2047	0	0	
Double Crossover	255 wks	7/15/2042	6/3/2047	0	0	
Demolition, utility relocation, and site preparation	64 wks	7/15/2042	10/5/2043	0	0	
Shoring and excavation	64 wks	4/21/2043	7/11/2044	0	0	
Cast-in-place station box structure	64 wks	3/14/2045	6/4/2046	0	0	
Backfill, exterior entry, and surface restoration	52 wks	6/5/2046	6/3/2047	0	0	
New Maintenance and Storage Facility	208 wks	5/19/2043	5/13/2047	-826	-826	
Demolition, grading, and site preparation	52 wks	5/19/2043	5/16/2044	-826	-826	
Facility structures, trackwork, and systems	156 wks	5/17/2044	5/13/2047	-826	-826	
Alignment Start-up	104 wks	5/14/2047	5/10/2049	0	0	
Systems testing and commissioning	104 wks	5/14/2047	5/10/2049	0	0	
Milestone: Early Revenue Service Date - Section 2	0 wks	5/10/2049	5/10/2049	0	0	

it was changed to match "shoring and excavation" for the station.

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
New Maintenance and Storage Facility	49	10/18/2044	10/12/2048	1040
Demolition, grading, and site preparation	12	10/18/2044	10/16/2045	260
Facility structures, trackwork, and systems	36	10/17/2045	10/12/2048	780

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition, grading, and site preparation											
Crane-500	Tier 4	275	Diesel	2	0.5	8	4	8	10/18/2044	10/16/2045	260
Excavator-120	Fleet Average	54	Diesel	2	0.5	8	4	8	10/18/2044	10/16/2045	260
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.5	8	4	8	10/18/2044	10/16/2045	260
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	10/18/2044	10/16/2045	260
Bobcat-175	Fleet Average	125	Diesel	2	0.25	8	2	4	10/18/2044	10/16/2045	260
Facility structures, trackwork, and systems											
Crane-500	Tier 4	285	Diesel	2	0.10	8	1	2	10/17/2045	10/12/2048	780
Excavator-120	Fleet Average	54	Diesel	3	0.5	8	4	12	10/17/2045	10/12/2048	780
Telehandler-175	Tier 4	142	Diesel	3	0.25	8	2	6	10/17/2045	10/12/2048	780
Other Construction Equipment-50	Fleet Average	50	Electric	3	1.00	8	8	24	10/17/2045	10/12/2048	780
Welding Plant - 500	Tier 4	380	Diesel	3	0.70	8	6	17	10/17/2045	10/12/2048	780

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
New Maintenance and Storage Facility	49	10/18/2044	10/12/2048
Demolition, grading, and site preparation	12	10/18/2044	10/16/2045
Facility structures, trackwork, and systems	36	10/17/2045	10/12/2048

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition, grading, and site preparation at Existing Div. 16 Facility						
Demolition - enter area to be demolished	Footage to be dem	0	0	10/18/2044	10/16/2045	260
Bulldozing (includes grading, excavating and trenching)	urs of activity per	16	Aggregate	10/18/2044	10/16/2045	260
Truck Loading Dust	laterial being load	552	Aggregate	10/18/2044	10/16/2045	260
Truck Loading on site - idling	Number of Vehicle	46	12	10/18/2044	10/16/2045	260
Trucks Traveling on site	Number of Vehicle	46	Paved	10/18/2044	10/16/2045	260
Deliveries on site - idling	Number of Vehicle	0		10/18/2044	10/16/2045	260
Deliveries Traveling on site	Number of Vehicle	0	Unpaved	10/18/2044	10/16/2045	260
Cement Trucks - idling	Number of Vehicle	0		10/18/2044	10/16/2045	260
Cement Trucks Traveling on site	Number of Vehicle	0	Unpaved	10/18/2044	10/16/2045	260
Trackwork and systems						
Demolition - enter area to be demolished	Footage to be dem	0	0	10/17/2045	10/12/2048	780
Bulldozing (includes grading, excavating and trenching)	urs of activity per	12	Aggregate	10/17/2045	10/12/2048	780
Truck Loading Dust	laterial being load	24	Aggregate	10/17/2045	10/12/2048	780
Truck Loading on site - idling	Number of Vehicle	2	12	10/17/2045	10/12/2048	780
Trucks Traveling on site	Number of Vehicle	2	Paved	10/17/2045	10/12/2048	780
Deliveries on site - idling	Number of Vehicle	7		10/17/2045	10/12/2048	780
Deliveries Traveling on site	Number of Vehicle	7	Paved	10/17/2045	10/12/2048	780
Cement Trucks - idling	Number of Vehicle	0		10/17/2045	10/12/2048	780
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	10/17/2045	10/12/2048	780

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
25	1089000	2	2178000	141570	545	45

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	97	2/12/2041	1/25/2049	2075	
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	2/27/2046	7/29/2047	370	
MEP and Architectural finish work	16	7/30/2047	11/30/2048	350	
Backfill, exterior entry, and surface restoration	18	7/30/2047	1/25/2049	390	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	2/12/2041	5/30/2041	78
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	2/12/2041	5/30/2041	78
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/15/2041	7/14/2042	304
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/15/2041	7/14/2042	304
Shoring											
Crane-500	Tier 4	285	Diesel	2	0.75	8	6	12	1/28/2042	9/15/2042	165
Slurry Wall Grab/Crane	Tier 4	440	Diesel	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Slurry/Bentonite Mixing Plant	Fleet Average	120	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Slurry Pump	Fleet Average	120	Electric	3	0.75	8	6	18	1/28/2042	9/15/2042	165
Mud Processing Plant	Fleet Average	100	Electric	1	0.75	8	6	6	1/28/2042	9/15/2042	165
Machine Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/28/2042	9/15/2042	165
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	1/28/2042	9/15/2042	165
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	1/28/2042	9/15/2042	165
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	1/28/2042	9/15/2042	165
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	8/16/2042	11/8/2042	36
Welding Plant - 500	Tier 4	380	Diesel	2	0.70	8	6	11	8/16/2042	11/8/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	2	0.25	8	2	4	8/16/2042	11/8/2042	36

Excavation											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	2	0.75	8	6	12	11/8/2042	6/29/2043	166
Boom Truck-250	Fleet Average	200	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Other Construction Equipment-120	Fleet Average	100	Electric	4	1.00	16	16	64	11/8/2042	6/29/2043	166
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	11/8/2042	6/29/2043	166
Telehandler-120	Tier 4	142	Diesel	2	0.25	8	2	4	11/8/2042	6/29/2043	166
Disassembly of TBM and Relocate											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	11/8/2044	1/2/2045	40
Crane-500 (2 weekends)	Fleet Average	349	Electric	1	0.50	8	4	4	12/8/2043	2/1/2044	6
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	8	2	2	12/8/2043	2/1/2044	40
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	24	24	24	12/8/2043	2/1/2044	40
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	2/27/2046	7/29/2047	370
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	2/27/2046	7/29/2047	370
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	2/27/2046	7/29/2047	370
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	2/27/2046	7/29/2047	370
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	2/27/2046	7/29/2047	370
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	2/27/2046	7/29/2047	370
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	7/30/2047	11/30/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/30/2047	11/30/2048	350
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	7/30/2047	11/30/2048	350
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	7/30/2047	11/30/2048	350
Backfill											
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	7/30/2047	4/20/2048	190
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	7/30/2047	4/20/2048	190
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	7/30/2047	4/20/2048	190
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	7/30/2047	4/20/2048	190
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	2	0.50	8	4	8	4/6/2048	6/29/2048	36
Crane-500	Tier 4	285	Diesel	2	0.50	8	4	8	4/6/2048	6/29/2048	36
Portable Light Plant - 50	Fleet Average	50	Diesel	2	0.50	8	4	8	4/6/2048	6/29/2048	36
Welding Plant - 500	Tier 4	489	Diesel	2	0.50	8	4	8	4/6/2048	6/29/2048	36
Off-Highway Truck-175	Fleet Average	156	Diesel	2	1.00	8	8	16	4/6/2048	6/29/2048	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	3	0.25	8	2	6	4/20/2048	1/25/2049	201
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	3	0.25	8	2	6	4/20/2048	1/25/2049	201
Roller-250	Fleet Average	210	Diesel	3	0.25	8	2	6	4/20/2048	1/25/2049	201
Off-Highway Truck-250	Fleet Average	200	Diesel	3	0.25	8	2	6	4/20/2048	1/25/2049	201

Task Name	Duration (months)	Start	Finish		
Hollywood/Highland Monica Station and Crossover	97	2/12/2041	1/25/2049		
Demolition, utility relocation, and site preparation	17	2/12/2041	7/14/2042	370	# TBM Disassemby accounted in this site
Shoring and excavation	17	1/28/2042	6/29/2043	370	
Cast-in-place station box structure	17	2/27/2046	7/29/2047	370	
MEP and Architectural finish work	16	7/30/2047	11/30/2048	350	
Backfill, exterior entry, and surface restoration	18	7/30/2047	1/25/2049	390	

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)	Excavation Quantity						
Demolition													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/12/2041	5/30/2041	78	Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	2/12/2041	5/30/2041	78							
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	2/12/2041	5/30/2041	78	2	87120	2	174240	11325.6	145	12
Truck Loading on site - idling	Number of Vehicles	13	12	2/12/2041	5/30/2041	78							
Trucks Traveling on site	Number of Vehicles	13	Paved	2/12/2041	5/30/2041	78							
Deliveries on site - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78							
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78							
Cement Trucks - idling	Number of Vehicles	0		2/12/2041	5/30/2041	78							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/12/2041	5/30/2041	78							
Utility Relocation & Site Preparaton													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/15/2041	7/14/2042	304							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/15/2041	7/14/2042	304							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/15/2041	7/14/2042	304							
Truck Loading on site - idling	Number of Vehicles	0	12	5/15/2041	7/14/2042	304							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304							
Deliveries on site - idling	Number of Vehicles	4		5/15/2041	7/14/2042	304							
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/15/2041	7/14/2042	304							
Cement Trucks - idling	Number of Vehicles	0		5/15/2041	7/14/2042	304							
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/15/2041	7/14/2042	304							
Shoring													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/28/2042	9/15/2042	165							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/28/2042	9/15/2042	165							
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate	1/28/2042	9/15/2042	165							
Truck Loading on site - idling	Number of Vehicles	20	12	1/28/2042	9/15/2042	165							
Trucks Traveling on site	Number of Vehicles	20	Unpaved	1/28/2042	9/15/2042	165							
Deliveries on site - idling	Number of Vehicles	4		1/28/2042	9/15/2042	165							
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	1/28/2042	9/15/2042	165							
Cement Trucks - idling	Number of Vehicles	28		1/28/2042	9/15/2042	165							
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	1/28/2042	9/15/2042	165							
Decking - 12 Weekends													
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/16/2042	11/8/2042	36							
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/16/2042	11/8/2042	36							
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/16/2042	11/8/2042	36							
Truck Loading on site - idling	Number of Vehicles	0	12	8/16/2042	11/8/2042	36							
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/16/2042	11/8/2042	36							
Deliveries on site - idling	Number of Vehicles	13		8/16/2042	11/8/2042	36							
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	8/16/2042	11/8/2042	36							
Cement Trucks - idling	Number of Vehicles	0		8/16/2042	11/8/2042	36							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/16/2042	11/8/2042	36							
Excavation							Excavation Quantity						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2042	6/29/2043	166	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/8/2042	6/29/2043	166							
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt	11/8/2042	6/29/2043	166	70	940	95	8126300	487578	2937	147
Truck Loading on site - idling	Number of Vehicles	147	20	11/8/2042	6/29/2043	166							
Trucks Traveling on site	Number of Vehicles	147	Paved	11/8/2042	6/29/2043	166							
Deliveries on site - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166							
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166							
Cement Trucks - idling	Number of Vehicles	0		11/8/2042	6/29/2043	166							
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2042	6/29/2043	166							

Disassembly of TBM and Relocate						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/8/2044	1/2/2045	40
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	11/8/2044	1/2/2045	40
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	11/8/2044	1/2/2045	40
Truck Loading on site - idling	Number of Vehicles	0	12	11/8/2044	1/2/2045	40
Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2044	1/2/2045	40
Deliveries on site - idling	Number of Vehicles	1		11/8/2044	1/2/2045	40
Deliveries Traveling on site	Number of Vehicles	1	Paved	11/8/2044	1/2/2045	40
Cement Trucks - idling	Number of Vehicles	0		11/8/2044	1/2/2045	40
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/8/2044	1/2/2045	40
Cast-in-place box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/27/2046	7/29/2047	370
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/27/2046	7/29/2047	370
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/27/2046	7/29/2047	370
Truck Loading on site - idling	Number of Vehicles	0	12	2/27/2046	7/29/2047	370
Trucks Traveling on site	Number of Vehicles	0	Paved	2/27/2046	7/29/2047	370
Deliveries on site - idling	Number of Vehicles	0		2/27/2046	7/29/2047	370
Deliveries Traveling on site	Number of Vehicles	0	Paved	2/27/2046	7/29/2047	370
Cement Trucks - idling	Number of Vehicles	8		2/27/2046	7/29/2047	370
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	2/27/2046	7/29/2047	370
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/30/2047	11/30/2048	350
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	7/30/2047	11/30/2048	350
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	7/30/2047	11/30/2048	350
Truck Loading on site - idling	Number of Vehicles	0	12	7/30/2047	11/30/2048	350
Trucks Traveling on site	Number of Vehicles	0	Paved	7/30/2047	11/30/2048	350
Deliveries on site - idling	Number of Vehicles	10		7/30/2047	11/30/2048	350
Deliveries Traveling on site	Number of Vehicles	10	Paved	7/30/2047	11/30/2048	350
Cement Trucks - idling	Number of Vehicles	0		7/30/2047	11/30/2048	350
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/30/2047	11/30/2048	350
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	7/30/2047	4/20/2048	190
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	7/30/2047	4/20/2048	190
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	7/30/2047	4/20/2048	190
Truck Loading on site - idling	Number of Vehicles	44	12	7/30/2047	4/20/2048	190
Trucks Traveling on site	Number of Vehicles	44	Paved	7/30/2047	4/20/2048	190
Deliveries on site - idling	Number of Vehicles	0		7/30/2047	4/20/2048	190
Deliveries Traveling on site	Number of Vehicles	0	Paved	7/30/2047	4/20/2048	190
Cement Trucks - idling	Number of Vehicles	0		7/30/2047	4/20/2048	190
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	7/30/2047	4/20/2048	190
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/6/2048	6/29/2048	36
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/6/2048	6/29/2048	36
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/6/2048	6/29/2048	36
Truck Loading on site - idling	Number of Vehicles	0	12	4/6/2048	6/29/2048	36
Trucks Traveling on site	Number of Vehicles	0	Paved	4/6/2048	6/29/2048	36
Deliveries on site - idling	Number of Vehicles	13		4/6/2048	6/29/2048	36
Deliveries Traveling on site	Number of Vehicles	13	Paved	4/6/2048	6/29/2048	36
Cement Trucks - idling	Number of Vehicles	0		4/6/2048	6/29/2048	36
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/6/2048	6/29/2048	36
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/20/2048	1/25/2049	201
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt	4/20/2048	1/25/2049	201
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/20/2048	1/25/2049	201
Truck Loading on site - idling	Number of Vehicles	0	12	4/20/2048	1/25/2049	201
Trucks Traveling on site	Number of Vehicles	0	Paved	4/20/2048	1/25/2049	201
Deliveries on site - idling	Number of Vehicles	3		4/20/2048	1/25/2049	201
Deliveries Traveling on site	Number of Vehicles	3	Paved	4/20/2048	1/25/2049	201
Cement Trucks - idling	Number of Vehicles	0		4/20/2048	1/25/2049	201
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/20/2048	1/25/2049	201

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	940	25	1645000	98700	519	43

K Line Northern Extension
Construction Data

Task Name	Duration (mo)	Start	Finish		
Launch Site - La Brea/Santa Monica	25	1/14/2042	2/15/2044	545	
Moblize - Tunneling	1	9/23/2042	10/20/2042	20	
TBM Assembly	2	12/22/2043	2/15/2044	40	
Tunnel Boring	21	2/16/2044	10/23/2045	440	
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	8	2/28/2045	10/23/2045	170	
Disassembly of TBM and Relocate	2	11/8/2044	1/2/2045	40	# not used in this tab
TBM Reassembly	2	1/3/2045	2/27/2045	40	
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	9	2/16/2044	11/7/2044	190	
Crosspassage	17	1/3/2045	5/21/2046	360	
Crosspassage excavations (LBSM to HH)	4	*10/24/2045*	*2/26/2046*	90	
Crosspassage structural concrete lining (LBSM to HH)	4	*1/16/2046*	*5/21/2046*	90	
Crosspassage excavations (LBSM to LBW)	5	*1/3/2045*	*6/5/2045*	110	
Crosspassage structural concrete lining (LBSM to LBW)	5	*4/25/2045*	*9/25/2045*	110	
Trackwork	33	9/26/2045	6/1/2048	700	
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/4/2047*	*6/1/2048*	260	
Trackwork, track systems, and structural concrete (LBSM to LBW)	21	*9/26/2045*	*6/3/2047*	440	
La Brea/Santa Monica Station	88	4/9/2041	7/13/2048	1895	
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042	275	
Shoring and excavation	17	12/31/2041	5/11/2043	355	
Place concrete slab for station box	2	*4/25/2045*	*6/19/2045*	40	# to account for this item, assumed that "Cast-in-place station box starts 60 calendar days in advance".
Cast-in-place station box structure	12	6/19/2046	6/17/2047	260	
MEP and Architectural finish work	11	6/18/2047	5/18/2048	240	
Backfill, exterior entry, and surface restoration	10	9/10/2047	7/13/2048	220	

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	4/9/2041	9/6/2041	109
Bobcat-175	Fleet Averag	125	Diesel	2	0.50	8	4	8	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Excavator-120	Fleet Averag	54	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Rubber Tired Loader-250	Fleet Averag	221	Diesel	1	0.5	8	4	4	8/22/2041	4/28/2042	178
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Bobcat-175	Fleet Averag	125	Diesel	1	0.25	8	2	2	8/22/2041	4/28/2042	178
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	12/31/2041	3/31/2042	65
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	12/31/2041	3/31/2042	65
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	12/31/2041	3/31/2042	65
Other Construction Equipment-500	Fleet Averag	450	Diesel	2	0.25	8	2	4	12/31/2041	3/31/2042	65
Bobcat-120	Fleet Averag	85	Diesel	2	0.25	8	2	4	12/31/2041	3/31/2042	65
Drilling Polymer Plant/Pump Mixer-50	Fleet Averag	25	Electric	2	0.25	8	2	4	12/31/2041	3/31/2042	65
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.25	8	2	2	12/31/2041	3/31/2042	65
Other General Industrial Equipment-175	Fleet Averag	167	Diesel	1	0.25	8	2	2	12/31/2041	3/31/2042	65
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/31/2041	3/31/2042	65
Decking - 7 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	3/1/2042	4/19/2042	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	3/1/2042	4/19/2042	21
Portable Light Plant - 50	Fleet Averag	50	Diesel	1	0.50	8	4	4	3/1/2042	4/19/2042	21
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	3/1/2042	4/19/2042	21
Off-Highway Truck-120	Fleet Averag	85	Diesel	1	0.25	8	2	2	3/1/2042	4/19/2042	21

Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/19/2042	5/11/2043	276
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	4/19/2042	5/11/2043	276
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	4/19/2042	5/11/2043	276
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	4/19/2042	5/11/2043	276
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	4/19/2042	5/11/2043	276
Boom Truck-250	Fleet Averag	200	Diesel	1	0.50	8	4	4	4/19/2042	5/11/2043	276
Other Construction Equipment-120	Fleet Averag	100	Electric	2	1.00	16	16	32	4/19/2042	5/11/2043	276
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	4/19/2042	5/11/2043	276
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	4/19/2042	5/11/2043	276
TBM Equipment Setup											
Crane-500	Tier 4	285	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.5	8	4	4	9/23/2042	10/20/2042	20
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/23/2042	10/20/2042	20
TBM Assembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	12/22/2043	2/15/2044	40
Crane-500 (6 days)	Fleet Averag	349	Electric	1	0.50	8	4	4	12/22/2043	2/15/2044	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	12/22/2043	2/15/2044	40
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	8	2	4	12/22/2043	2/15/2044	40
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	24	24	48	12/22/2043	2/15/2044	40
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	2/28/2045	10/23/2045	170
Crane-500	Fleet Averag	349	Electric	1	0.20	20	4	4	2/28/2045	10/23/2045	170
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	2/28/2045	10/23/2045	170
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	20	5	10	2/28/2045	10/23/2045	170
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	2/28/2045	10/23/2045	170
Other Construction Equipment-50	Fleet Averag	50	Electric	1	1.00	20	20	20	2/28/2045	10/23/2045	170
Water Treatment Plant-120	Fleet Averag	100	Electric	1	0.50	24	12	12	2/28/2045	10/23/2045	170
Ventilation Plant-250	Fleet Averag	200	Electric	2	2.00	24	48	96	2/28/2045	10/23/2045	170
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	20	10	10	2/28/2045	10/23/2045	170
Other Construction Equipment-120	Fleet Averag	60	Electric	1	0.50	20	10	10	2/28/2045	10/23/2045	170
Conveyor System-50	Fleet Averag	50	Electric	2	0.20	20	4	8	2/28/2045	10/23/2045	170
Bore/Drill Rig-1000	Fleet Averag	2,000	Electric	2	0.50	10	5	10	2/28/2045	10/23/2045	170
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	2/28/2045	10/23/2045	170
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	20	4	4	2/28/2045	10/23/2045	170
Electrical Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	2/28/2045	10/23/2045	170
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/28/2045	10/23/2045	170
TBM Reassembly											
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	1/3/2045	2/27/2045	40
Crane-500 (6 days)	Fleet Averag	349	Electric	1	0.50	8	4	4	1/3/2045	2/27/2045	6
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	1/3/2045	2/27/2045	40
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	8	2	4	1/3/2045	2/27/2045	40
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	24	24	48	1/3/2045	2/27/2045	40

Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	2/16/2044	11/7/2044	190
Crane-500	Fleet Averag	349	Electric	1	0.20	20	4	4	2/16/2044	11/7/2044	190
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	2/16/2044	11/7/2044	190
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	20	5	10	2/16/2044	11/7/2044	190
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	2/16/2044	11/7/2044	190
Other Construction Equipment-50	Fleet Averag	50	Electric	1	1.00	20	20	20	2/16/2044	11/7/2044	190
Water Treatment Plant-120	Fleet Averag	100	Electric	1	0.50	24	12	12	2/16/2044	11/7/2044	190
Ventilation Plant-250	Fleet Averag	200	Electric	2	2.00	24	48	96	2/16/2044	11/7/2044	190
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	20	10	10	2/16/2044	11/7/2044	190
Other Construction Equipment-120	Fleet Averag	60	Electric	1	0.50	20	10	10	2/16/2044	11/7/2044	190
Conveyor System-50	Fleet Averag	50	Electric	2	0.20	20	4	8	2/16/2044	11/7/2044	190
Bore/Drill Rig-1000	Fleet Averag	2,000	Electric	2	0.50	10	5	10	2/16/2044	11/7/2044	190
Segment Hauler	Tier 2	300	Diesel	2	0.25	20	5	10	2/16/2044	11/7/2044	190
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	20	4	4	2/16/2044	11/7/2044	190
Electrical Shop-50	Fleet Averag	50	Electric	1	0.20	20	4	4	2/16/2044	11/7/2044	190
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	2/16/2044	11/7/2044	190
Crosspassage											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	1/3/2045	5/21/2046	360
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	1/3/2045	5/21/2046	360
Excavator-120	Tier 2	90	Diesel	4	0.25	8	2	8	1/3/2045	5/21/2046	360
Other Construction Equipment-50	Fleet Averag	50	Electric	4	1.00	8	8	32	1/3/2045	5/21/2046	360
Ventilation Plant-250	Fleet Averag	200	Electric	2	1.00	24	24	48	1/3/2045	5/21/2046	360
Other Material Handling Equipment-175	Fleet Averag	150	Electric	2	0.05	8	0	1	1/3/2045	5/21/2046	360
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.20	8	2	3	1/3/2045	5/21/2046	360
Machine Shop-50	Fleet Averag	50	Diesel	1	0.20	10	2	2	1/3/2045	5/21/2046	360
Other Construction Equipment-50	Fleet Averag	50	Electric	2	0.20	10	2	4	1/3/2045	5/21/2046	360
Aerial Lift-50	Fleet Averag	50	Electric	2	0.25	10	3	5	1/3/2045	5/21/2046	360
Water Treatment Plant-120	Fleet Averag	100	Electric	2	1.00	24	24	48	1/3/2045	5/21/2046	360
Trackwork											
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	9/26/2045	6/1/2048	700
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	9/26/2045	6/1/2048	700
Other Construction Equipment-50	Fleet Averag	50	Electric	2	1.00	8	8	16	9/26/2045	6/1/2048	700
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	9/26/2045	6/1/2048	700
Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	4/20/2046	6/17/2047	302
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	4/20/2046	6/17/2047	302
Other Material Handling Equipment-175	Fleet Averag	150	Electric	1	0.50	8	4	4	4/20/2046	6/17/2047	302
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	4/20/2046	6/17/2047	302
Other Construction Equipment-120	Fleet Averag	100	Electric	2	1.00	16	16	32	4/20/2046	6/17/2047	302
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	4/20/2046	6/17/2047	302
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	6/18/2047	5/18/2048	240
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	6/18/2047	5/18/2048	240
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	6/18/2047	5/18/2048	240
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	6/18/2047	5/18/2048	240
Backfill											
Crane-500	Fleet Averag	285	Electric	1	0.50	8	4	4	9/10/2047	2/17/2048	115
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	9/10/2047	2/17/2048	115
Rubber Tired Dozer-120	Fleet Averag	80	Diesel	1	0.50	8	4	4	9/10/2047	2/17/2048	115
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/10/2047	2/17/2048	115

Decking removal - 7 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/3/2048	3/23/2048	21
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/3/2048	3/23/2048	21
Portable Light Plant - 50	Fleet Averag	50	Diesel	4	0.50	8	4	16	2/3/2048	3/23/2048	21
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	2/3/2048	3/23/2048	21
Off-Highway Truck-175	Fleet Averag	156	Diesel	1	1.00	8	8	8	2/3/2048	3/23/2048	21
Surface restoration											
Crane-500	Tier 4	285	Diesel	4	0.25	8	2	8	2/17/2048	7/13/2048	106
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	4	0.25	8	2	8	2/17/2048	7/13/2048	106
Roller-250	Fleet Averag	210	Diesel	4	0.25	8	2	8	2/17/2048	7/13/2048	106
Off-Highway Truck-250	Fleet Averag	200	Diesel	4	0.25	8	2	8	2/17/2048	7/13/2048	106

Task Name	Duration (mo)	Start	Finish
Launch Site - La Brea/Santa Monica	25	1/14/2042	2/15/2044
Moblize - Tunneling	1	9/23/2042	10/20/2042
TBM Assembly	2	12/22/2043	2/15/2044
Tunnel Boring	21	2/16/2044	10/23/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)	8	2/28/2045	10/23/2045
Disassembly of TBM and Relocate	2	11/8/2044	1/2/2045
TBM Reassembly	2	1/3/2045	2/27/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	9	2/16/2044	11/7/2044
Crosspassage	17	1/3/2045	5/21/2046
Crosspassage excavations (LBSM to HH)	4	*10/24/2045*	*2/26/2046*
Crosspassage structural concrete lining (LBSM to HH)	4	*1/16/2046*	*5/21/2046*
Crosspassage excavations (LBSM to LBW)	5	*1/3/2045*	*6/5/2045*
Crosspassage structural concrete lining (LBSM to LBW)	5	*4/25/2045*	*9/25/2045*
Trackwork	33	9/26/2045	6/1/2048
Trackwork, track systems, and structural concrete (LBSM to HH)	12	*6/4/2047*	*6/1/2048*
Trackwork, track systems, and structural concrete (LBSM to LBW)	21	*9/26/2045*	*6/3/2047*
La Brea/Santa Monica Station	88	4/9/2041	7/13/2048
Demolition, utility relocation, and site preparation	13	4/9/2041	4/28/2042
Shoring and excavation	17	12/31/2041	5/11/2043
Place concrete slab for station box	2	*4/25/2045*	*6/19/2045*
Cast-in-place station box structure	12	6/19/2046	6/17/2047
MEP and Architectural finish work	11	6/18/2047	5/18/2048
Backfill, exterior entry, and surface restoration	10	9/10/2047	7/13/2048

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/9/2041	9/6/2041	109
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate	4/9/2041	9/6/2041	109
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate	4/9/2041	9/6/2041	109
Truck Loading on site - idling	Number of Vehicles	13	12	4/9/2041	9/6/2041	109
Trucks Traveling on site	Number of Vehicles	13	Paved	4/9/2041	9/6/2041	109
Deliveries on site - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Cement Trucks - idling	Number of Vehicles	0		4/9/2041	9/6/2041	109
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/9/2041	9/6/2041	109
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/22/2041	4/28/2042	178
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	8/22/2041	4/28/2042	178
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	8/22/2041	4/28/2042	178
Truck Loading on site - idling	Number of Vehicles	0	12	8/22/2041	4/28/2042	178
Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Deliveries on site - idling	Number of Vehicles	4		8/22/2041	4/28/2042	178
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/22/2041	4/28/2042	178
Cement Trucks - idling	Number of Vehicles	0		8/22/2041	4/28/2042	178
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	8/22/2041	4/28/2042	178
Shoring						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/31/2041	3/31/2042	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/31/2041	3/31/2042	65
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	12/31/2041	3/31/2042	65
Truck Loading on site - idling	Number of Vehicles	5	12	12/31/2041	3/31/2042	65
Trucks Traveling on site	Number of Vehicles	5	Unpaved	12/31/2041	3/31/2042	65
Deliveries on site - idling	Number of Vehicles	1		12/31/2041	3/31/2042	65
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	12/31/2041	3/31/2042	65
Cement Trucks - idling	Number of Vehicles	7		12/31/2041	3/31/2042	65
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	12/31/2041	3/31/2042	65
Decking - 7 Weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/1/2042	4/19/2042	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/1/2042	4/19/2042	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	3/1/2042	4/19/2042	21
Truck Loading on site - idling	Number of Vehicles	0	12	3/1/2042	4/19/2042	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/1/2042	4/19/2042	21
Deliveries on site - idling	Number of Vehicles	13		3/1/2042	4/19/2042	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	3/1/2042	4/19/2042	21
Cement Trucks - idling	Number of Vehicles	0		3/1/2042	4/19/2042	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/1/2042	4/19/2042	21

Excavation Quantity						
Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
3	130680	2	261360	16988.4	156	13

Excavation																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/19/2042	5/11/2043	276	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	4/19/2042	5/11/2043	276		Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	780	Dirt	4/19/2042	5/11/2043	276		70	470	82.5	3528525	211711.5	767	38		
Truck Loading on site - idling	Number of Vehicles	39	20	4/19/2042	5/11/2043	276										
Trucks Traveling on site	Number of Vehicles	39	Paved	4/19/2042	5/11/2043	276				Volume (yd^:	130,686					
Deliveries on site - idling	Number of Vehicles	0		4/19/2042	5/11/2043	276				x 1.3	169,892					
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/19/2042	5/11/2043	276										
Cement Trucks - idling	Number of Vehicles	0		4/19/2042	5/11/2043	276										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	4/19/2042	5/11/2043	276										
TBM Equipment Setup																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/23/2042	10/20/2042	20										
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/23/2042	10/20/2042	20										
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/23/2042	10/20/2042	20										
Truck Loading on site - idling	Number of Vehicles	0	12	9/23/2042	10/20/2042	20										
Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20										
Deliveries on site - idling	Number of Vehicles	6		9/23/2042	10/20/2042	20										
Deliveries Traveling on site	Number of Vehicles	6	Paved	9/23/2042	10/20/2042	20										
Cement Trucks - idling	Number of Vehicles	0		9/23/2042	10/20/2042	20										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/23/2042	10/20/2042	20										
TBM Assembly																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/22/2043	2/15/2044	40										
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/22/2043	2/15/2044	40										
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	12/22/2043	2/15/2044	40										
Truck Loading on site - idling	Number of Vehicles	0	12	12/22/2043	2/15/2044	40										
Trucks Traveling on site	Number of Vehicles	0	Paved	12/22/2043	2/15/2044	40										
Deliveries on site - idling	Number of Vehicles	2		12/22/2043	2/15/2044	40										
Deliveries Traveling on site	Number of Vehicles	2	Paved	12/22/2043	2/15/2044	40										
Cement Trucks - idling	Number of Vehicles	0		12/22/2043	2/15/2044	40										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/22/2043	2/15/2044	40										
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/28/2045	10/23/2045	170	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/28/2045	10/23/2045	170		Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	1,360	Dirt	2/28/2045	10/23/2045	170		22	5025	380.13271	3820333.7	229220.02	1348	67		
Truck Loading on site - idling	Number of Vehicles	68	20	2/28/2045	10/23/2045	170			27400							
Trucks Traveling on site	Number of Vehicles	68	Paved	2/28/2045	10/23/2045	170			32425	'olume (yd^:	141,494					
Deliveries on site - idling	Number of Vehicles	17		2/28/2045	10/23/2045	170				x 1.3	183,942					
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/28/2045	10/23/2045	170										
Cement Trucks - idling	Number of Vehicles	0		2/28/2045	10/23/2045	170										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/28/2045	10/23/2045	170										
TBM Reassembly																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/3/2045	2/27/2045	40			14336	28672						
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/3/2045	2/27/2045	40										
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/3/2045	2/27/2045	40										
Truck Loading on site - idling	Number of Vehicles	0	12	1/3/2045	2/27/2045	40										
Trucks Traveling on site	Number of Vehicles	0	Paved	1/3/2045	2/27/2045	40										
Deliveries on site - idling	Number of Vehicles	2		1/3/2045	2/27/2045	40										
Deliveries Traveling on site	Number of Vehicles	2	Paved	1/3/2045	2/27/2045	40										
Cement Trucks - idling	Number of Vehicles	0		1/3/2045	2/27/2045	40										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/3/2045	2/27/2045	40										
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/16/2044	11/7/2044	190	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	2/16/2044	11/7/2044	190		Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	2,240	Dirt	2/16/2044	11/7/2044	190		22	9311	380.13271	7078831.3	424729.88	2235	112		
Truck Loading on site - idling	Number of Vehicles	112	20	2/16/2044	11/7/2044	190			17625							
Trucks Traveling on site	Number of Vehicles	112	Paved	2/16/2044	11/7/2044	190			26936	'olume (yd^:	262,179					
Deliveries on site - idling	Number of Vehicles	17		2/16/2044	11/7/2044	190				x 1.3	340,833					
Deliveries Traveling on site	Number of Vehicles	17	Paved	2/16/2044	11/7/2044	190										
Cement Trucks - idling	Number of Vehicles	0		2/16/2044	11/7/2044	190										
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/16/2044	11/7/2044	190										
Crosspassage																
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/3/2045	5/21/2046	360	Excavation Quantity									
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	1/3/2045	5/21/2046	360		Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day		
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	1/3/2045	5/21/2046	360		12	280	12	40320	2419.2	7	1		
Truck Loading on site - idling	Number of Vehicles	1	12	1/3/2045	5/21/2046	360										
Trucks Traveling on site	Number of Vehicles	1	Paved	1/3/2045	5/21/2046	360										
Deliveries on site - idling	Number of Vehicles	0		1/3/2045	5/21/2046	360										
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/3/2045	5/21/2046	360										
Cement Trucks - idling	Number of Vehicles	1		1/3/2045	5/21/2046	360										
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	1/3/2045	5/21/2046	360										

Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/26/2045	6/1/2048	700
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/26/2045	6/1/2048	700
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/26/2045	6/1/2048	700
Truck Loading on site - idling	Number of Vehicles	0	12	9/26/2045	6/1/2048	700
Trucks Traveling on site	Number of Vehicles	0	Paved	9/26/2045	6/1/2048	700
Deliveries on site - idling	Number of Vehicles	7		9/26/2045	6/1/2048	700
Deliveries Traveling on site	Number of Vehicles	7	Paved	9/26/2045	6/1/2048	700
Cement Trucks - idling	Number of Vehicles	0		9/26/2045	6/1/2048	700
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/26/2045	6/1/2048	700
Cast-in-place station box structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/20/2046	6/17/2047	302
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	4/20/2046	6/17/2047	302
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	4/20/2046	6/17/2047	302
Truck Loading on site - idling	Number of Vehicles	0	12	4/20/2046	6/17/2047	302
Trucks Traveling on site	Number of Vehicles	0	Paved	4/20/2046	6/17/2047	302
Deliveries on site - idling	Number of Vehicles	0		4/20/2046	6/17/2047	302
Deliveries Traveling on site	Number of Vehicles	0	Paved	4/20/2046	6/17/2047	302
Cement Trucks - idling	Number of Vehicles	8		4/20/2046	6/17/2047	302
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	4/20/2046	6/17/2047	302
MEP and Architectural finish work						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/18/2047	5/18/2048	240
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/18/2047	5/18/2048	240
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/18/2047	5/18/2048	240
Truck Loading on site - idling	Number of Vehicles	0	12	6/18/2047	5/18/2048	240
Trucks Traveling on site	Number of Vehicles	0	Paved	6/18/2047	5/18/2048	240
Deliveries on site - idling	Number of Vehicles	10		6/18/2047	5/18/2048	240
Deliveries Traveling on site	Number of Vehicles	10	Paved	6/18/2047	5/18/2048	240
Cement Trucks - idling	Number of Vehicles	0		6/18/2047	5/18/2048	240
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/18/2047	5/18/2048	240
Backfill						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/10/2047	2/17/2048	115
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/10/2047	2/17/2048	115
Truck Loading Dust	Tons of material being loaded per day	528	Dirt	9/10/2047	2/17/2048	115
Truck Loading on site - idling	Number of Vehicles	44	12	9/10/2047	2/17/2048	115
Trucks Traveling on site	Number of Vehicles	44	Paved	9/10/2047	2/17/2048	115
Deliveries on site - idling	Number of Vehicles	0		9/10/2047	2/17/2048	115
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/10/2047	2/17/2048	115
Cement Trucks - idling	Number of Vehicles	0		9/10/2047	2/17/2048	115
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/10/2047	2/17/2048	115
Decking removal - 7 weekends						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/3/2048	3/23/2048	21
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	2/3/2048	3/23/2048	21
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	2/3/2048	3/23/2048	21
Truck Loading on site - idling	Number of Vehicles	0	12	2/3/2048	3/23/2048	21
Trucks Traveling on site	Number of Vehicles	0	Unpaved	2/3/2048	3/23/2048	21
Deliveries on site - idling	Number of Vehicles	13		2/3/2048	3/23/2048	21
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	2/3/2048	3/23/2048	21
Cement Trucks - idling	Number of Vehicles	0		2/3/2048	3/23/2048	21
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/3/2048	3/23/2048	21
Surface restoration						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/17/2048	7/13/2048	106
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/17/2048	7/13/2048	106
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/17/2048	7/13/2048	106
Truck Loading on site - idling	Number of Vehicles	0	12	2/17/2048	7/13/2048	106
Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2048	7/13/2048	106
Deliveries on site - idling	Number of Vehicles	6		2/17/2048	7/13/2048	106
Deliveries Traveling on site	Number of Vehicles	6	Paved	2/17/2048	7/13/2048	106
Cement Trucks - idling	Number of Vehicles	0		2/17/2048	7/13/2048	106
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/17/2048	7/13/2048	106

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	470	23.5	1005095	60305.7	524	44

Volume (yd^3: 37,226
x 1.3 48,393

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish	
Station	77	7/23/2041	11/11/2047	1645
Demolition, utility relocation, and site preparation	15	7/23/2041	10/13/2042	320
Shoring and excavation	15	4/29/2042	7/20/2043	320
Cast-in-place station box structure	15	6/6/2045	8/27/2046	320
MEP and Architectural finish work	13	8/28/2046	9/16/2047	275
Backfill, exterior entry, and surface restoration	15	8/28/2046	11/11/2047	315

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)
Demolition											
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	7/23/2041	1/24/2042	134
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	7/23/2041	1/24/2042	134
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	7/23/2041	1/24/2042	134
Utility Relocation & Site Praparaton											
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	1/10/2042	10/13/2042	197
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	1/10/2042	10/13/2042	197
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	1/10/2042	10/13/2042	197
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/10/2042	10/13/2042	197
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	1/10/2042	10/13/2042	197
Shoring											
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	4/29/2042	8/27/2042	87
Bore/Drill Rig-500	Tier 4	440	Diesel	3	0.75	8	6	18	4/29/2042	8/27/2042	87
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.50	8	4	8	4/29/2042	8/27/2042	87
Other Construction Equipment-500	Fleet Average	450	Diesel	2	0.25	8	2	4	4/29/2042	8/27/2042	87
Bobcat-120	Fleet Average	85	Diesel	2	0.25	8	2	4	4/29/2042	8/27/2042	87
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.25	8	2	4	4/29/2042	8/27/2042	87
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	4/29/2042	8/27/2042	87
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	4/29/2042	8/27/2042	87
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	4/29/2042	8/27/2042	87
Decking - 12 Weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	7/28/2042	10/20/2042	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	7/28/2042	10/20/2042	36
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	7/28/2042	10/20/2042	36
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	7/28/2042	10/20/2042	36
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	7/28/2042	10/20/2042	36
Excavation											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/20/2042	7/20/2043	196
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/20/2042	7/20/2043	196
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/20/2042	7/20/2043	196
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/20/2042	7/20/2043	196
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/20/2042	7/20/2043	196
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/20/2042	7/20/2043	196
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/20/2042	7/20/2043	196
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/20/2042	7/20/2043	196
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/20/2042	7/20/2043	196

Cast-in-place station box structure											
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/6/2045	8/27/2046	320
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	6/6/2045	8/27/2046	320
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	6/6/2045	8/27/2046	320
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/6/2045	8/27/2046	320
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	6/6/2045	8/27/2046	320
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/6/2045	8/27/2046	320
MEP and Architectural finish work											
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/28/2046	9/16/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	8/28/2046	9/16/2047	275
Off-Highway Truck-250	Fleet Average	200	Diesel	4	0.25	8	2	8	8/28/2046	9/16/2047	275
Telehandler-175	Tier 4	142	Diesel	4	0.25	8	2	8	8/28/2046	9/16/2047	275
Backfill											
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	8/28/2046	3/6/2047	137
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	8/28/2046	3/6/2047	137
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	8/28/2046	3/6/2047	137
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	8/28/2046	3/6/2047	137
Decking removal - 12 weekends											
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	2/20/2047	5/15/2047	36
Crane-500	Tier 4	285	Diesel	1	0.50	8	4	4	2/20/2047	5/15/2047	36
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	2/20/2047	5/15/2047	36
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	2/20/2047	5/15/2047	36
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	2/20/2047	5/15/2047	36
Surface restoration											
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	3/6/2047	11/11/2047	179
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	3/6/2047	11/11/2047	179
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	3/6/2047	11/11/2047	179
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	3/6/2047	11/11/2047	179

K Line Northern Extension
Construction Data

Task Name	Duration	Start	Finish
Station	77	7/23/2041	11/11/2047
Demolition, utility relocation, and site preparation	15	7/23/2041	10/13/2042
Shoring and excavation	15	4/29/2042	7/20/2043
Cast-in-place station box structure	15	6/6/2045	8/27/2046
MEP and Architectural finish work	13	8/28/2046	9/16/2047
Backfill, exterior entry, and surface restoration	15	8/28/2046	11/11/2047

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition						
Demolition - enter area to be demolished	Footage to be dem	0	0	7/23/2041	1/24/2042	134
Bulldozing (includes grading, excavating and trenching)	urs of activity per	4	Aggregate	7/23/2041	1/24/2042	134
Truck Loading Dust	aterial being load	48	Aggregate	7/23/2041	1/24/2042	134
Truck Loading on site - idling	Number of Vehicle	4	12	7/23/2041	1/24/2042	134
Trucks Traveling on site	Number of Vehicle	4	Paved	7/23/2041	1/24/2042	134
Deliveries on site - idling	Number of Vehicle	0		7/23/2041	1/24/2042	134
Deliveries Traveling on site	Number of Vehicle	0	Unpaved	7/23/2041	1/24/2042	134
Cement Trucks - idling	Number of Vehicle	0		7/23/2041	1/24/2042	134
Cement Trucks Traveling on site	Number of Vehicle	0	Unpaved	7/23/2041	1/24/2042	134
Utility Relocation & Site Praparaton						
Demolition - enter area to be demolished	Footage to be dem	0	0	1/10/2042	10/13/2042	197
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	1/10/2042	10/13/2042	197
Truck Loading Dust	aterial being load	0	Aggregate	1/10/2042	10/13/2042	197
Truck Loading on site - idling	Number of Vehicle	0	12	1/10/2042	10/13/2042	197
Trucks Traveling on site	Number of Vehicle	0	Unpaved	1/10/2042	10/13/2042	197
Deliveries on site - idling	Number of Vehicle	4		1/10/2042	10/13/2042	197
Deliveries Traveling on site	Number of Vehicle	4	Paved	1/10/2042	10/13/2042	197
Cement Trucks - idling	Number of Vehicle	0		1/10/2042	10/13/2042	197
Cement Trucks Traveling on site	Number of Vehicle	0	Unpaved	1/10/2042	10/13/2042	197
Shoring						
Demolition - enter area to be demolished	Footage to be dem	0	0	4/29/2042	8/27/2042	87
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	4/29/2042	8/27/2042	87
Truck Loading Dust	aterial being load	60	Aggregate	4/29/2042	8/27/2042	87
Truck Loading on site - idling	Number of Vehicle	5	12	4/29/2042	8/27/2042	87
Trucks Traveling on site	Number of Vehicle	5	Unpaved	4/29/2042	8/27/2042	87
Deliveries on site - idling	Number of Vehicle	1		4/29/2042	8/27/2042	87
Deliveries Traveling on site	Number of Vehicle	1	Unpaved	4/29/2042	8/27/2042	87
Cement Trucks - idling	Number of Vehicle	7		4/29/2042	8/27/2042	87
Cement Trucks Traveling on site	Number of Vehicle	7	Paved	4/29/2042	8/27/2042	87
Decking - 12 Weekends						
Demolition - enter area to be demolished	Footage to be dem	0	0	7/28/2042	10/20/2042	36
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	7/28/2042	10/20/2042	36
Truck Loading Dust	aterial being load	0	Aggregate	7/28/2042	10/20/2042	36
Truck Loading on site - idling	Number of Vehicle	0	12	7/28/2042	10/20/2042	36
Trucks Traveling on site	Number of Vehicle	0	Unpaved	7/28/2042	10/20/2042	36
Deliveries on site - idling	Number of Vehicle	13		7/28/2042	10/20/2042	36
Deliveries Traveling on site	Number of Vehicle	13	Unpaved	7/28/2042	10/20/2042	36
Cement Trucks - idling	Number of Vehicle	0		7/28/2042	10/20/2042	36
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	7/28/2042	10/20/2042	36

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	olume (ft^3	Weight (ton)	Tons/day	Trucks/day
1	43560	2	87120	5662.8	42	4

Excavation						
Demolition - enter area to be demolished	Footage to be dem	0	0	10/20/2042	7/20/2043	196
Bulldozing (includes grading, excavating and trenching)	urs of activity per	16	Dirt	10/20/2042	7/20/2043	196
Truck Loading Dust	aterial being load	1,920	Dirt	10/20/2042	7/20/2043	196
Truck Loading on site - idling	Number of Vehicle	96	20	10/20/2042	7/20/2043	196
Trucks Traveling on site	Number of Vehicle	96	Paved	10/20/2042	7/20/2043	196
Deliveries on site - idling	Number of Vehicle	0		10/20/2042	7/20/2043	196
Deliveries Traveling on site	Number of Vehicle	0	Paved	10/20/2042	7/20/2043	196
Cement Trucks - idling	Number of Vehicle	0		10/20/2042	7/20/2043	196
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	10/20/2042	7/20/2043	196
Cast-in-place station box structure						
Demolition - enter area to be demolished	Footage to be dem	0	0	6/6/2045	8/27/2046	320
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	6/6/2045	8/27/2046	320
Truck Loading Dust	aterial being load	0	Dirt	6/6/2045	8/27/2046	320
Truck Loading on site - idling	Number of Vehicle	0	12	6/6/2045	8/27/2046	320
Trucks Traveling on site	Number of Vehicle	0	Paved	6/6/2045	8/27/2046	320
Deliveries on site - idling	Number of Vehicle	0		6/6/2045	8/27/2046	320
Deliveries Traveling on site	Number of Vehicle	0	Paved	6/6/2045	8/27/2046	320
Cement Trucks - idling	Number of Vehicle	8		6/6/2045	8/27/2046	320
Cement Trucks Traveling on site	Number of Vehicle	8	Paved	6/6/2045	8/27/2046	320
MEP and Architectural finish work						
Demolition - enter area to be demolished	Footage to be dem	0	0	8/28/2046	9/16/2047	275
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	8/28/2046	9/16/2047	275
Truck Loading Dust	aterial being load	0	Dirt	8/28/2046	9/16/2047	275
Truck Loading on site - idling	Number of Vehicle	0	12	8/28/2046	9/16/2047	275
Trucks Traveling on site	Number of Vehicle	0	Paved	8/28/2046	9/16/2047	275
Deliveries on site - idling	Number of Vehicle	10		8/28/2046	9/16/2047	275
Deliveries Traveling on site	Number of Vehicle	10	Paved	8/28/2046	9/16/2047	275
Cement Trucks - idling	Number of Vehicle	0		8/28/2046	9/16/2047	275
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	8/28/2046	9/16/2047	275
Backfill						
Demolition - enter area to be demolished	Footage to be dem	0	0	8/28/2046	3/6/2047	137
Bulldozing (includes grading, excavating and trenching)	urs of activity per	8	Dirt	8/28/2046	3/6/2047	137
Truck Loading Dust	aterial being load	828	Dirt	8/28/2046	3/6/2047	137
Truck Loading on site - idling	Number of Vehicle	69	12	8/28/2046	3/6/2047	137
Trucks Traveling on site	Number of Vehicle	69	Paved	8/28/2046	3/6/2047	137
Deliveries on site - idling	Number of Vehicle	0		8/28/2046	3/6/2047	137
Deliveries Traveling on site	Number of Vehicle	0	Paved	8/28/2046	3/6/2047	137
Cement Trucks - idling	Number of Vehicle	0		8/28/2046	3/6/2047	137
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	8/28/2046	3/6/2047	137
Decking removal - 12 weekends						
Demolition - enter area to be demolished	Footage to be dem	0	0	2/20/2047	5/15/2047	36
Bulldozing (includes grading, excavating and trenching)	urs of activity per	0	Dirt	2/20/2047	5/15/2047	36
Truck Loading Dust	aterial being load	0	Dirt	2/20/2047	5/15/2047	36
Truck Loading on site - idling	Number of Vehicle	0	12	2/20/2047	5/15/2047	36
Trucks Traveling on site	Number of Vehicle	0	Paved	2/20/2047	5/15/2047	36
Deliveries on site - idling	Number of Vehicle	13		2/20/2047	5/15/2047	36
Deliveries Traveling on site	Number of Vehicle	13	Paved	2/20/2047	5/15/2047	36
Cement Trucks - idling	Number of Vehicle	0		2/20/2047	5/15/2047	36
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	2/20/2047	5/15/2047	36

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	935	73	6211205	372672.3	1901	95

Volume (yd^3 230,045
x 1.3 299,058

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	olume (ft^3	Weight (ton)	Tons/day	Trucks/day
70	935	22	1871870	112312.2	820	68

Volume (yd^3 69,329
x 1.3 90,127

K Line Northern Extension
Construction Data

Surface restoration						
Demolition - enter area to be demolished	Footage to be dem	0	0	3/6/2047	11/11/2047	179
Bulldozing (includes grading, excavating and trenching)	urs of activity per	4	Dirt	3/6/2047	11/11/2047	179
Truck Loading Dust	aterial being load	0	Dirt	3/6/2047	11/11/2047	179
Truck Loading on site - idling	Number of Vehicle	0	12	3/6/2047	11/11/2047	179
Trucks Traveling on site	Number of Vehicle	0	Paved	3/6/2047	11/11/2047	179
Deliveries on site - idling	Number of Vehicle	3		3/6/2047	11/11/2047	179
Deliveries Traveling on site	Number of Vehicle	3	Paved	3/6/2047	11/11/2047	179
Cement Trucks - idling	Number of Vehicle	0		3/6/2047	11/11/2047	179
Cement Trucks Traveling on site	Number of Vehicle	0	Paved	3/6/2047	11/11/2047	179

K Line Northern Extension
Construction Data

Task Name	Duration (mo)	Start	Finish
Section 2: La Brea/Wilshire to Hollywood Bowl	508.2 wks	1/14/2041	10/10/2050
Pre-Construction	104.2 wks	1/14/2041	1/12/2043
Notice to Proceed	1 day	1/14/2041	1/14/2041
TBM Procurement (Design/ Factory Testing/ Disassembly/ Shipment)	78 wks	1/15/2041	7/14/2042
Mobilization	4 wks	1/15/2041	2/11/2041
Oil Well Detection and Decommission	104 wks	1/15/2041	1/12/2043
Guideway and Tunnel	333 wks	1/14/2042	6/1/2048
Launch Site - La Brea/Santa Monica	109 wks	1/14/2042	2/15/2044
Demolition, utility relocation, and site preparation	55 wks	1/14/2042	2/2/2043
Shoring and Excavation	71 wks	10/7/2042	2/15/2044
Moblize - Tunneling	4 wks	9/23/2042	10/20/2042
TBM Assembly	8 wks	12/22/2043	2/15/2044
Tunnel Boring	88 wks	2/16/2044	10/23/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)	38 wks	2/16/2044	11/7/2044
Disassembly of TBM and Relocate	8 wks	11/8/2044	1/2/2045
TBM Reassembly	8 wks	1/3/2045	2/27/2045
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland	28 wks	2/28/2045	9/11/2045
Bore tunnel tail tracks - Hollywood/Highland	6 wks	9/12/2045	10/23/2045
Crosspassage	72 wks	1/3/2045	5/21/2046
Crosspassage excavations (LBSM to LBW)	22 wks	1/3/2045	6/5/2045
Crosspassage structural concrete lining (LBSM to LBW)	22 wks	4/25/2045	9/25/2045
Crosspassage excavations (LBSM to HH)	18 wks	10/24/2045	2/26/2046
Crosspassage structural concrete lining (LBSM to HH)	18 wks	1/16/2046	5/21/2046
Trackwork	140 wks	9/26/2045	6/1/2048
Trackwork, track systems, and structural concrete (LBSM to LBW)	88 wks	9/26/2045	6/3/2047
Trackwork, track systems, and structural concrete (LBSM to HH)	52 wks	6/4/2047	6/1/2048

La Brea/Santa Monica Station	379 wks	4/9/2041	7/13/2048
Station	379 wks	4/9/2041	7/13/2048
Demolition, utility relocation, and site preparation	55 wks	4/9/2041	4/28/2042
Shoring and excavation	71 wks	12/31/2041	5/11/2043
Place concrete slab for station box	8 wks	4/25/2045	6/19/2045
Cast-in-place station box structure	52 wks	6/19/2046	6/17/2047
MEP and Architectural finish work	48 wks	6/18/2047	5/18/2048
Backfill, exterior entry, and surface restoration	44 wks	9/10/2047	7/13/2048
Hollywood/Highland Station and Crossover	415 wks	2/12/2041	1/25/2049
Station	415 wks	2/12/2041	1/25/2049
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	2/27/2046	7/29/2047
MEP and Architectural finish work	70 wks	7/30/2047	11/30/2048
Backfill, exterior entry, and surface restoration	66 wks	10/22/2047	1/25/2049
Double Crossover	403 wks	2/12/2041	11/2/2048
Demolition, utility relocation, and site preparation	74 wks	2/12/2041	7/14/2042
Shoring and excavation	74 wks	1/28/2042	6/29/2043
Cast-in-place station box structure	74 wks	2/27/2046	7/29/2047
Backfill, exterior entry, and surface restoration	66 wks	7/30/2047	11/2/2048
La Brea/Beverly Station and Crossover	329 wks	7/23/2041	11/11/2047
Station	329 wks	7/23/2041	11/11/2047
Demolition, utility relocation, and site preparation	64 wks	7/23/2041	10/13/2042
Shoring and excavation	64 wks	4/29/2042	7/20/2043
Cast-in-place station box structure	64 wks	6/6/2045	8/27/2046
MEP and Architectural finish work	55 wks	8/28/2046	9/16/2047
Backfill, exterior entry, and surface restoration	52 wks	11/13/2046	11/11/2047
Double Crossover	318 wks	7/23/2041	8/26/2047
Demolition, utility relocation, and site preparation	64 wks	7/23/2041	10/13/2042
Shoring and excavation	64 wks	4/29/2042	7/20/2043
Cast-in-place station box structure	64 wks	6/6/2045	8/27/2046
Backfill, exterior entry, and surface restoration	52 wks	8/28/2046	8/26/2047

New Maintenance and Storage Facility	208 wks	10/18/2044	10/12/2048
Demolition, grading, and site preparation	52 wks	10/18/2044	10/16/2045
Facility structures, trackwork, and systems	156 wks	10/17/2045	10/12/2048
Alignment Start-up	104 wks	10/13/2048	10/10/2050
Systems testing and commissioning	104 wks	10/13/2048	10/10/2050
Milestone: Early Revenue Service Date - Section 2	0 wks	10/10/2050	10/10/2050

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			0
Notice to Proceed	0			0
Mobilization	0			0
Hollywood Bowl Station and Crossovers	86	4/15/2042	5/10/2049	1845
Shaft Excavation	59	4/15/2042	3/4/2047	1275
Demolition, utility relocation, and site preparation	5	4/15/2042	9/1/2042	100
Construct excavation structure (Miner Rd)	24	9/2/2042	8/29/2044	520
Shoring and excavation	10	9/2/2042	6/14/2043	204
Cast-in-place station box structure	10	6/14/2043	3/25/2044	205
MEP and Architectural finish work	5	3/25/2044	8/29/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/6/2044	3/4/2047	650
Shoring and excavation	12	9/6/2044	9/1/2045	259
Cast-in-place station box structure	12	9/1/2045	8/27/2046	257
MEP and Architectural finish work	6	8/27/2046	3/4/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/8/2048	3/8/2049	65
Conventional Tunneling	34	8/30/2044	6/17/2047	730
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	8/30/2044	9/11/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	1/15/2047	6/17/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	9/18/2045	12/29/2045	75
SEM Construction (Staggered Crews)	42	12/6/2044	6/1/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/6/2044	11/20/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	11/21/2045	1/14/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	6/18/2047	6/1/2048	250
Crosspassage	4	5/15/2045	9/11/2045	86
Crosspassage excavations (HH to Miner Rd)	4	5/15/2045	9/11/2045	86
Trackwork	10	6/2/2048	4/12/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	6/2/2048	4/12/2049	225
Station	26	1/15/2047	3/8/2049	560
Cast-in-place station/crossover structure	12	1/15/2047	1/13/2048	260
MEP and Architectural finish work	14	1/14/2048	3/8/2049	300
West Entrance	27	3/5/2047	5/10/2049	570
Demolition, utility relocation, and site preparation	6	3/5/2047	9/2/2047	130
Shoring and excavation	6	9/3/2047	3/2/2048	130
Cast-in-place station box structure	6	3/3/2048	8/31/2048	130
MEP and Architectural finish work	5	9/1/2048	1/18/2049	100
Backfill, exterior entry, and surface restoration	4	1/19/2049	5/10/2049	80

Calculated

Equipment	Tier	Rated HP	Fuel Type	Number of Units	Daily Utilized Rate	Work Hours/day	Operating Hours per Day per Equ.	Operating Hours per Day	Start	End	Duration (days)			
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)														
Excavator-120	Tier 4	54	Diesel	1	0.50	8	4	4	4/15/2042	6/14/2042	44			
Telehandler-175	Tier 4	142	Diesel	1	0.75	8	6	6	4/15/2042	6/14/2042	44			
Bobcat-175	Fleet Average	125	Diesel	1	0.50	8	4	4	4/15/2042	6/14/2042	44	88	4/15/2042	6/14/2042
Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)														
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	6/15/2042	9/1/2042	56			
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	6/15/2042	9/1/2042	56			
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	6/15/2042	9/1/2042	56			
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/15/2042	9/1/2042	56			
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	6/15/2042	9/1/2042	56	560	6/15/2042	9/1/2042

HB

Shoring - Shaft (Miner Rd)													
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/2/2042	10/13/2042	30		
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	9/2/2042	10/13/2042	30		
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/2/2042	10/13/2042	30		
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/2/2042	10/13/2042	30		
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/2/2042	10/13/2042	30		
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/2/2042	10/13/2042	30		
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/2/2042	10/13/2042	30		
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/2/2042	10/13/2042	30		
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/2/2042	10/13/2042	30	540	8/2/1905
Excavation - Shaft (Miner Rd)													
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/14/2042	6/14/2043	174		
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/14/2042	6/14/2043	174		
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/14/2042	6/14/2043	174		
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	10/14/2042	6/14/2043	174		
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	10/14/2042	6/14/2043	174		
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	10/14/2042	6/14/2043	174		
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	10/14/2042	6/14/2043	174	3828	
Cast-in-place station box structure - Shaft (Miner Rd)													
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	6/14/2043	3/25/2044	205		
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	6/14/2043	3/25/2044	205		
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	6/14/2043	3/25/2044	205		
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	6/14/2043	3/25/2044	205		
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	6/14/2043	3/25/2044	205	2050	
MEP and Architectural finish work - Shaft (Miner Rd)													
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/25/2044	8/29/2044	112		
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/25/2044	8/29/2044	112		
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	3/25/2044	8/29/2044	112		
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/25/2044	8/29/2044	112	896	
Shoring - Shaft (Pilgrimage Bridge)													
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/6/2044	10/17/2044	30		
Bore/Drill Rig-500	Tier 4	440	Diesel	1	0.75	8	6	6	9/6/2044	10/17/2044	30		
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/6/2044	10/17/2044	30		
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/6/2044	10/17/2044	30		
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/6/2044	10/17/2044	30		
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/6/2044	10/17/2044	30		
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/6/2044	10/17/2044	30		
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/6/2044	10/17/2044	30		
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/6/2044	10/17/2044	30	540	
Decking -3 Weekends (Pilgrimage Bridge)													
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/18/2044	11/8/2044	9		
Portable Light Plant - 50	Fleet Average	50	Diesel	1	0.50	8	4	4	10/18/2044	11/8/2044	9		
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	10/18/2044	11/8/2044	9		
Off-Highway Truck-120	Fleet Average	85	Diesel	1	0.25	8	2	2	10/18/2044	11/8/2044	9	72	
Excavation - Shaft (Pilgrimage Bridge)													
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	11/9/2044	9/1/2045	213		
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	11/9/2044	9/1/2045	213		
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	11/9/2044	9/1/2045	213		
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	11/9/2044	9/1/2045	213		
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	16	8	8	11/9/2044	9/1/2045	213		
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	16	8	8	11/9/2044	9/1/2045	213		
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	16	8	8	11/9/2044	9/1/2045	213		
Excavator-120	Fleet Average	54	Diesel	4	0.50	16	8	32	11/9/2044	9/1/2045	213	5112	

Cast-in-place station box structure - Shaft (Pilgrimage Bridge)												
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	9/1/2045	8/27/2046	257	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	9/1/2045	8/27/2046	257	
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	9/1/2045	8/27/2046	257	
Other Construction Equipment-120	Fleet Average	100	Electric	1	1.00	16	16	16	9/1/2045	8/27/2046	257	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/1/2045	8/27/2046	257	2570
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)												
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	8/27/2046	3/4/2047	136	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/27/2046	3/4/2047	136	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	8/27/2046	3/4/2047	136	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	8/27/2046	3/4/2047	136	1088
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)												
Crane-500	Fleet Average	285	Electric	2	0.50	8	4	8	12/8/2048	3/8/2049	65	
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.50	8	4	8	12/8/2048	3/8/2049	65	
Rubber Tired Dozer-120	Fleet Average	80	Diesel	2	0.50	8	4	8	12/8/2048	3/8/2049	65	
Sweepers/Scrubber-120	Tier 4	74	Diesel	2	0.50	8	4	8	12/8/2048	3/8/2049	65	1040
Decking removal -3 weekends (Shaft Pilgrimage Bridge)												
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	12/23/2048	1/13/2049	9	
Portable Light Plant - 50	Fleet Average	50	Diesel	4	0.50	8	4	16	12/23/2048	1/13/2049	9	
Welding Plant - 500	Tier 4	489	Diesel	1	0.50	8	4	4	12/23/2048	1/13/2049	9	
Off-Highway Truck-175	Fleet Average	156	Diesel	1	1.00	8	8	8	12/23/2048	1/13/2049	9	126
Conventional Tunneling - Miner Rd to Franklin PI												
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	8/30/2044	9/11/2045	270	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	8/30/2044	9/11/2045	270	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	8/30/2044	9/11/2045	270	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	8/30/2044	9/11/2045	270	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	8/30/2044	9/11/2045	270	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	8/30/2044	9/11/2045	270	7560
Conventional Tunneling - Station to North Double Crossover												
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	1/15/2047	6/17/2047	110	
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	1/15/2047	6/17/2047	110	
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	1/15/2047	6/17/2047	110	
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	1/15/2047	6/17/2047	110	
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	1/15/2047	6/17/2047	110	
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	1/15/2047	6/17/2047	110	
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	1/15/2047	6/17/2047	110	
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	1/15/2047	6/17/2047	110	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	1/15/2047	6/17/2047	110	
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	1/15/2047	6/17/2047	110	
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	1/15/2047	6/17/2047	110	
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	1/15/2047	6/17/2047	110	
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	1/15/2047	6/17/2047	110	
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	1/15/2047	6/17/2047	110	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	1/15/2047	6/17/2047	110	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	1/15/2047	6/17/2047	110	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	1/15/2047	6/17/2047	110	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	1/15/2047	6/17/2047	110	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	1/15/2047	6/17/2047	110	6600

Conventional Tunneling - North Double Crossover to North Shaft											
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	9/18/2045	12/29/2045	75	
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	9/18/2045	12/29/2045	75	
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	9/18/2045	12/29/2045	75	
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	9/18/2045	12/29/2045	75	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	9/18/2045	12/29/2045	75	
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	9/18/2045	12/29/2045	75	
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	9/18/2045	12/29/2045	75	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	9/18/2045	12/29/2045	75	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	9/18/2045	12/29/2045	75	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	9/18/2045	12/29/2045	75	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	9/18/2045	12/29/2045	75	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	9/18/2045	12/29/2045	75	3150
SEM Construction - South Double Crossover												
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	12/6/2044	11/20/2045	250	
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	12/6/2044	11/20/2045	250	
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	12/6/2044	11/20/2045	250	
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	12/6/2044	11/20/2045	250	
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	12/6/2044	11/20/2045	250	
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	12/6/2044	11/20/2045	250	
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	12/6/2044	11/20/2045	250	
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	12/6/2044	11/20/2045	250	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	12/6/2044	11/20/2045	250	
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	12/6/2044	11/20/2045	250	
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	12/6/2044	11/20/2045	250	
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	12/6/2044	11/20/2045	250	
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	12/6/2044	11/20/2045	250	
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	12/6/2044	11/20/2045	250	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	12/6/2044	11/20/2045	250	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	12/6/2044	11/20/2045	250	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	12/6/2044	11/20/2045	250	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	12/6/2044	11/20/2045	250	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	12/6/2044	11/20/2045	250	15000
SEM Construction - Station Structure												
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	11/21/2045	1/14/2047	300	
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	11/21/2045	1/14/2047	300	
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	11/21/2045	1/14/2047	300	
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	11/21/2045	1/14/2047	300	
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	11/21/2045	1/14/2047	300	
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	11/21/2045	1/14/2047	300	
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	11/21/2045	1/14/2047	300	
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	11/21/2045	1/14/2047	300	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	11/21/2045	1/14/2047	300	
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	11/21/2045	1/14/2047	300	
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	11/21/2045	1/14/2047	300	
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	11/21/2045	1/14/2047	300	
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	11/21/2045	1/14/2047	300	
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	11/21/2045	1/14/2047	300	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	11/21/2045	1/14/2047	300	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	11/21/2045	1/14/2047	300	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	11/21/2045	1/14/2047	300	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	11/21/2045	1/14/2047	300	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	11/21/2045	1/14/2047	300	18000

SEM Construction - North Double Crossover												
Crane-500	Tier 4	285	Diesel	1	0.20	20	4	4	6/18/2047	6/1/2048	250	
Crane-500	Fleet Average	349	Electric	1	0.20	20	4	4	6/18/2047	6/1/2048	250	
Telehandler-175	Tier 4	142	Diesel	2	0.25	20	5	10	6/18/2047	6/1/2048	250	
Aerial Lift-50	Fleet Average	50	Electric	2	0.25	20	5	10	6/18/2047	6/1/2048	250	
Rubber Tired Loader-500	Tier 4	375	Diesel	1	0.25	20	5	5	6/18/2047	6/1/2048	250	
Other Construction Equipment-50	Fleet Average	50	Electric	1	1.00	20	20	20	6/18/2047	6/1/2048	250	
Water Treatment Plant-120	Fleet Average	100	Electric	1	0.50	24	12	12	6/18/2047	6/1/2048	250	
Ventilation Plant-250	Fleet Average	200	Electric	2	2.00	24	48	96	6/18/2047	6/1/2048	250	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	20	10	10	6/18/2047	6/1/2048	250	
Other Construction Equipment-120	Fleet Average	60	Electric	1	0.50	20	10	10	6/18/2047	6/1/2048	250	
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	20	4	4	6/18/2047	6/1/2048	250	
Electrical Shop-50	Fleet Average	50	Electric	1	0.20	20	4	4	6/18/2047	6/1/2048	250	
Welding Plant - 500	Tier 4	380	Diesel	1	0.70	8	6	6	6/18/2047	6/1/2048	250	
Roadheader	Fleet Average	528	Electric	2	0.50	20	10	20	6/18/2047	6/1/2048	250	
Rubber Tired Loader-250	Fleet Average	221	Diesel	2	0.50	20	10	20	6/18/2047	6/1/2048	250	
Excavator-120	Fleet Average	54	Diesel	4	0.50	20	10	40	6/18/2047	6/1/2048	250	
Drill jumbo/bolter	Tier 4	362	Diesel	2	0.50	20	10	20	6/18/2047	6/1/2048	250	
Shotcrete Mixer	Fleet Average	120	Electric	2	0.20	20	4	8	6/18/2047	6/1/2048	250	
Shotcrete Pump	Fleet Average	120	Electric	2	0.20	20	4	8	6/18/2047	6/1/2048	250	15000
Crosspassage												
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	5/15/2045	9/11/2045	86	
Rubber Tired Dozer-500	Tier 4	375	Diesel	1	0.10	8	1	1	5/15/2045	9/11/2045	86	
Excavator-120	Tier 2	90	Diesel	2	0.25	8	2	4	5/15/2045	9/11/2045	86	
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	5/15/2045	9/11/2045	86	
Ventilation Plant-250	Fleet Average	200	Electric	1	1.00	24	24	24	5/15/2045	9/11/2045	86	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.05	8	0	0	5/15/2045	9/11/2045	86	
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.20	8	2	2	5/15/2045	9/11/2045	86	
Machine Shop-50	Fleet Average	50	Diesel	1	0.20	10	2	2	5/15/2045	9/11/2045	86	
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.20	10	2	2	5/15/2045	9/11/2045	86	
Aerial Lift-50	Fleet Average	50	Electric	1	0.25	10	3	3	5/15/2045	9/11/2045	86	
Water Treatment Plant-120	Fleet Average	100	Electric	1	1.00	24	24	24	5/15/2045	9/11/2045	86	2236
Trackwork												
Crane-500	Tier 4	285	Diesel	1	0.10	8	1	1	6/2/2048	4/12/2049	225	
Telehandler-175	Tier 4	142	Diesel	2	0.25	8	2	4	6/2/2048	4/12/2049	225	
Other Construction Equipment-50	Fleet Average	50	Electric	2	1.00	8	8	16	6/2/2048	4/12/2049	225	
Welding Plant - 500	Tier 4	380	Diesel	4	0.70	8	6	22	6/2/2048	4/12/2049	225	4050
Demolition - West Entrance												
Excavator-120	Tier 4	54	Diesel	2	0.50	8	4	8	3/5/2047	5/19/2047	54	
Telehandler-175	Tier 4	142	Diesel	2	0.75	8	6	12	3/5/2047	5/19/2047	54	
Bobcat-175	Fleet Average	125	Diesel	2	0.50	8	4	8	3/5/2047	5/19/2047	54	648
Utility Relocation & Site Praparaton - West Entrance												
Crane-500	Tier 4	275	Diesel	1	0.5	8	4	4	5/19/2047	9/2/2047	76	
Excavator-120	Fleet Average	54	Diesel	1	0.5	8	4	4	5/19/2047	9/2/2047	76	
Rubber Tired Loader-250	Fleet Average	221	Diesel	1	0.5	8	4	4	5/19/2047	9/2/2047	76	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	5/19/2047	9/2/2047	76	
Bobcat-175	Fleet Average	125	Diesel	1	0.25	8	2	2	5/19/2047	9/2/2047	76	760
Shoring - West Entrance												
Crane-500	Tier 4	285	Diesel	1	0.75	8	6	6	9/3/2047	10/14/2047	30	
Bore/Drill Rig-500	Tier 4	440	Diesel	2	0.75	8	6	12	9/3/2047	10/14/2047	30	
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.50	8	4	4	9/3/2047	10/14/2047	30	
Other Construction Equipment-500	Fleet Average	450	Diesel	1	0.25	8	2	2	9/3/2047	10/14/2047	30	
Bobcat-120	Fleet Average	85	Diesel	1	0.25	8	2	2	9/3/2047	10/14/2047	30	
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.25	8	2	2	9/3/2047	10/14/2047	30	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.25	8	2	2	9/3/2047	10/14/2047	30	
Other General Industrial Equipment-175	Fleet Average	167	Diesel	1	0.25	8	2	2	9/3/2047	10/14/2047	30	
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	9/3/2047	10/14/2047	30	600

Excavation - West Entrance												
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	10/15/2047	3/2/2048	100	
Tractor/Loader/Backhoe-250	Tier 2	221	Diesel	1	0.75	8	6	6	10/15/2047	3/2/2048	100	
Crane-500	Tier 4	275	Diesel	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Tractor/Loader/Backhoe-120	Tier 2	117	Diesel	1	0.75	8	6	6	10/15/2047	3/2/2048	100	
Boom Truck-250	Fleet Average	200	Diesel	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	10/15/2047	3/2/2048	100	
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Telehandler-120	Tier 4	142	Diesel	1	0.25	8	2	2	10/15/2047	3/2/2048	100	
Drill jumbo/bolter	Tier 4	362	Diesel	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Shotcrete Mixer	Fleet Average	120	Electric	1	0.50	8	4	4	10/15/2047	3/2/2048	100	
Shotcrete Pump	Fleet Average	120	Electric	1	0.50	8	4	4	10/15/2047	3/2/2048	100	2600
Cast-in-place station box structure - West Entrance												
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	3/3/2048	8/31/2048	130	
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	3/3/2048	8/31/2048	130	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	3/3/2048	8/31/2048	130	
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	3/3/2048	8/31/2048	130	
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	3/3/2048	8/31/2048	130	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	3/3/2048	8/31/2048	130	1820
MEP and Architectural finish work - West Entrance												
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	9/1/2048	1/18/2049	100	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/1/2048	1/18/2049	100	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	9/1/2048	1/18/2049	100	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	9/1/2048	1/18/2049	100	800
Backfill - West Entrance												
Crane-500	Fleet Average	285	Electric	1	0.50	8	4	4	1/19/2049	2/24/2049	27	
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/19/2049	2/24/2049	27	
Rubber Tired Dozer-120	Fleet Average	80	Diesel	1	0.50	8	4	4	1/19/2049	2/24/2049	27	
Sweepers/Scrubber-120	Tier 4	74	Diesel	1	0.50	8	4	4	1/19/2049	2/24/2049	27	216
Surface restoration - West Entrance												
Crane-500	Tier 4	285	Diesel	2	0.25	8	2	4	2/25/2049	5/10/2049	53	
Tractor/Loader/Backhoe-250	Tier 4	200	Diesel	2	0.25	8	2	4	2/25/2049	5/10/2049	53	
Roller-250	Fleet Average	210	Diesel	2	0.25	8	2	4	2/25/2049	5/10/2049	53	
Off-Highway Truck-250	Fleet Average	200	Diesel	2	0.25	8	2	4	2/25/2049	5/10/2049	53	848
Cast-in-place station cavern structure - Station & Crossovers												
Crane-500	Tier 4	285	Diesel	1	0.25	8	2	2	1/15/2047	1/13/2048	260	
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/15/2047	1/13/2048	260	
Other Material Handling Equipment-175	Fleet Average	150	Electric	1	0.50	8	4	4	1/15/2047	1/13/2048	260	
Boom Truck-250	Tier 4	200	Diesel	1	0.50	8	4	4	1/15/2047	1/13/2048	260	
Other Construction Equipment-120	Fleet Average	100	Electric	2	1.00	16	16	32	1/15/2047	1/13/2048	260	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/15/2047	1/13/2048	260	3640
MEP and Architectural finish work - Station & Crossovers												
Crane-175	Tier 4	160	Diesel	1	0.50	8	4	4	1/14/2048	3/8/2049	300	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	1/14/2048	3/8/2049	300	
Off-Highway Truck-250	Fleet Average	200	Diesel	1	0.25	8	2	2	1/14/2048	3/8/2049	300	
Telehandler-175	Tier 4	142	Diesel	1	0.25	8	2	2	1/14/2048	3/8/2049	300	2400

K Line Northern Extension
Construction Data

Task Name	Duration (months)	Start	Finish	
Pre-Construction	0			0
Notice to Proceed	0			0
Mobilization	0			0
Hollywood Bowl Station and Crossovers	86	4/15/2042	5/10/2049	1845
Shaft Excavation	59	4/15/2042	3/4/2047	1275
Demolition, utility relocation, and site preparation	5	4/15/2042	9/1/2042	100
Construct excavation structure (Miner Rd)	24	9/2/2042	8/29/2044	520
Shoring and excavation	10	9/2/2042	6/14/2043	204
Cast-in-place station box structure	10	6/14/2043	3/25/2044	205
MEP and Architectural finish work	5	3/25/2044	8/29/2044	112
Construct excavation structure (Pilgrimage Bridge)	30	9/6/2044	3/4/2047	650
Shoring and excavation	12	9/6/2044	9/1/2045	259
Cast-in-place station box structure	12	9/1/2045	8/27/2046	257
MEP and Architectural finish work	6	8/27/2046	3/4/2047	136
Backfill and surface restoration (Shafts Miner Rd, Pilgrimage Bridge)	3	12/8/2048	3/8/2049	65
Conventional Tunneling	34	8/30/2044	6/17/2047	730
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	13	8/30/2044	9/11/2045	270
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	5	1/15/2047	6/17/2047	110
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	3	9/18/2045	12/29/2045	75
SEM Construction (Staggered Crews)	42	12/6/2044	6/1/2048	910
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	12	12/6/2044	11/20/2045	250
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	14	11/21/2045	1/14/2047	300
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	12	6/18/2047	6/1/2048	250
Crosspassage	4	5/15/2045	9/11/2045	86
Crosspassage excavations (HH to Miner Rd)	4	5/15/2045	9/11/2045	86
Trackwork	10	6/2/2048	4/12/2049	225
Trackwork, track systems, and structural concrete (HH to HB)	10	6/2/2048	4/12/2049	225
Station	26	1/15/2047	3/8/2049	560
Cast-in-place station/crossover structure	12	1/15/2047	1/13/2048	260
MEP and Architectural finish work	14	1/14/2048	3/8/2049	300
West Entrance	27	3/5/2047	5/10/2049	570
Demolition, utility relocation, and site preparation	6	3/5/2047	9/2/2047	130
Shoring and excavation	6	9/3/2047	3/2/2048	130
Cast-in-place station box structure	6	3/3/2048	8/31/2048	130
MEP and Architectural finish work	5	9/1/2048	1/18/2049	100
Backfill, exterior entry, and surface restoration	4	1/19/2049	5/10/2049	80

Dirt Handling, Hauling, and Truck/Worker Trips	Unit	Value	Demo Amount Material Truck Size (tons) Road Type	Start	End	Duration (days)
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	4/15/2042	6/14/2042	44
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	4/15/2042	6/14/2042	44
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	4/15/2042	6/14/2042	44
Truck Loading on site - idling	Number of Vehicles	4	12	4/15/2042	6/14/2042	44
Trucks Traveling on site	Number of Vehicles	4	Paved	4/15/2042	6/14/2042	44
Deliveries on site - idling	Number of Vehicles	0		4/15/2042	6/14/2042	44
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	4/15/2042	6/14/2042	44
Cement Trucks - idling	Number of Vehicles	0		4/15/2042	6/14/2042	44
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	4/15/2042	6/14/2042	44
Utility Relocation & Site Praparaton - Shaft sites (Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/15/2042	9/1/2042	56
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	6/15/2042	9/1/2042	56
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	6/15/2042	9/1/2042	56
Truck Loading on site - idling	Number of Vehicles	0	12	6/15/2042	9/1/2042	56
Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/15/2042	9/1/2042	56
Deliveries on site - idling	Number of Vehicles	4		6/15/2042	9/1/2042	56
Deliveries Traveling on site	Number of Vehicles	4	Paved	6/15/2042	9/1/2042	56
Cement Trucks - idling	Number of Vehicles	0		6/15/2042	9/1/2042	56
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	6/15/2042	9/1/2042	56

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
0.35410864	15424.9724	2	30849.945	2005.2464	46	4

Miner Rd Footprint				Pilgrimage Rd Footprint			
Width (ft)	Length (ft)	Area (ft2)	Area (acres)	Width (ft)	Length (ft)	Area (ft2)	Area (acres)
70	130	9100	0.2089069	55	115	6325	0.1452018

Shoring - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/2/2042	10/13/2042	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/2/2042	10/13/2042	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/2/2042	10/13/2042	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/2/2042	10/13/2042	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/2/2042	10/13/2042	30
Deliveries on site - idling	Number of Vehicles	1		9/2/2042	10/13/2042	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/2/2042	10/13/2042	30
Cement Trucks - idling	Number of Vehicles	7		9/2/2042	10/13/2042	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/2/2042	10/13/2042	30
Excavation - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/14/2042	6/14/2043	174
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/14/2042	6/14/2043	174
Truck Loading Dust	Tons of material being loaded per day	220	Dirt	10/14/2042	6/14/2043	174
Truck Loading on site - idling	Number of Vehicles	11	20	10/14/2042	6/14/2043	174
Trucks Traveling on site	Number of Vehicles	11	Paved	10/14/2042	6/14/2043	174
Deliveries on site - idling	Number of Vehicles	0		10/14/2042	6/14/2043	174
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/14/2042	6/14/2043	174
Cement Trucks - idling	Number of Vehicles	0		10/14/2042	6/14/2043	174
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/14/2042	6/14/2043	174
Cast-in-place station box structure - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/14/2043	3/25/2044	205
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/14/2043	3/25/2044	205
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/14/2043	3/25/2044	205
Truck Loading on site - idling	Number of Vehicles	0	12	6/14/2043	3/25/2044	205
Trucks Traveling on site	Number of Vehicles	0	Paved	6/14/2043	3/25/2044	205
Deliveries on site - idling	Number of Vehicles	0		6/14/2043	3/25/2044	205
Deliveries Traveling on site	Number of Vehicles	0	Paved	6/14/2043	3/25/2044	205
Cement Trucks - idling	Number of Vehicles	4		6/14/2043	3/25/2044	205
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	6/14/2043	3/25/2044	205
MEP and Architectural finish work - Shaft (Miner Rd)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/25/2044	8/29/2044	112
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/25/2044	8/29/2044	112
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/25/2044	8/29/2044	112
Truck Loading on site - idling	Number of Vehicles	0	12	3/25/2044	8/29/2044	112
Trucks Traveling on site	Number of Vehicles	0	Paved	3/25/2044	8/29/2044	112
Deliveries on site - idling	Number of Vehicles	4		3/25/2044	8/29/2044	112
Deliveries Traveling on site	Number of Vehicles	4	Paved	3/25/2044	8/29/2044	112
Cement Trucks - idling	Number of Vehicles	0		3/25/2044	8/29/2044	112
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	3/25/2044	8/29/2044	112
Shoring - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/6/2044	10/17/2044	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/6/2044	10/17/2044	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/6/2044	10/17/2044	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/6/2044	10/17/2044	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/6/2044	10/17/2044	30
Deliveries on site - idling	Number of Vehicles	1		9/6/2044	10/17/2044	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/6/2044	10/17/2044	30
Cement Trucks - idling	Number of Vehicles	7		9/6/2044	10/17/2044	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/6/2044	10/17/2044	30
Decking -3 Weekends -Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/18/2044	11/8/2044	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	10/18/2044	11/8/2044	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	10/18/2044	11/8/2044	9
Truck Loading on site - idling	Number of Vehicles	0	12	10/18/2044	11/8/2044	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	10/18/2044	11/8/2044	9
Deliveries on site - idling	Number of Vehicles	5		10/18/2044	11/8/2044	9
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	10/18/2044	11/8/2044	9
Cement Trucks - idling	Number of Vehicles	0		10/18/2044	11/8/2044	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/18/2044	11/8/2044	9
Excavation - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/9/2044	9/1/2045	213
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	11/9/2044	9/1/2045	213
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	11/9/2044	9/1/2045	213
Truck Loading on site - idling	Number of Vehicles	14	20	11/9/2044	9/1/2045	213
Trucks Traveling on site	Number of Vehicles	14	Paved	11/9/2044	9/1/2045	213
Deliveries on site - idling	Number of Vehicles	0		11/9/2044	9/1/2045	213
Deliveries Traveling on site	Number of Vehicles	0	Paved	11/9/2044	9/1/2045	213
Cement Trucks - idling	Number of Vehicles	0		11/9/2044	9/1/2045	213
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/9/2044	9/1/2045	213

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		Volume (yd^3	
70	130	30	273000	16380	94	5	Soil	x 1.3	13,144 Soil
70	130	55	500500	37537.5	216	11	Rock	olume (yd^3	18,537
						11	Max	x 2.0	37,074 Rock
								Total	50,219

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		Volume (yd^3	
55	115	10	63250	3795	18	1	Soil	x 1.3	3,045 Soil
55	115	120	759000	56925	267	13	Rock	olume (yd^3	28,111
						13	Max	x 2.0	56,222 Rock
								Total	59,268

Cast-in-place station box structure - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/1/2045	8/27/2046	257
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/1/2045	8/27/2046	257
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/1/2045	8/27/2046	257
Truck Loading on site - idling	Number of Vehicles	0	12	9/1/2045	8/27/2046	257
Trucks Traveling on site	Number of Vehicles	0	Paved	9/1/2045	8/27/2046	257
Deliveries on site - idling	Number of Vehicles	0		9/1/2045	8/27/2046	257
Deliveries Traveling on site	Number of Vehicles	0	Paved	9/1/2045	8/27/2046	257
Cement Trucks - idling	Number of Vehicles	4		9/1/2045	8/27/2046	257
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	9/1/2045	8/27/2046	257
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/27/2046	3/4/2047	136
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	8/27/2046	3/4/2047	136
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	8/27/2046	3/4/2047	136
Truck Loading on site - idling	Number of Vehicles	0	12	8/27/2046	3/4/2047	136
Trucks Traveling on site	Number of Vehicles	0	Paved	8/27/2046	3/4/2047	136
Deliveries on site - idling	Number of Vehicles	4		8/27/2046	3/4/2047	136
Deliveries Traveling on site	Number of Vehicles	4	Paved	8/27/2046	3/4/2047	136
Cement Trucks - idling	Number of Vehicles	0		8/27/2046	3/4/2047	136
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	8/27/2046	3/4/2047	136
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/8/2048	3/8/2049	65
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	12/8/2048	3/8/2049	65
Truck Loading Dust	Tons of material being loaded per day	84	Dirt	12/8/2048	3/8/2049	65
Truck Loading on site - idling	Number of Vehicles	7	12	12/8/2048	3/8/2049	65
Trucks Traveling on site	Number of Vehicles	7	Paved	12/8/2048	3/8/2049	65
Deliveries on site - idling	Number of Vehicles	0		12/8/2048	3/8/2049	65
Deliveries Traveling on site	Number of Vehicles	0	Paved	12/8/2048	3/8/2049	65
Cement Trucks - idling	Number of Vehicles	0		12/8/2048	3/8/2049	65
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/8/2048	3/8/2049	65
Decking removal - 3 weekends (Pilgrimage Bridge)						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/23/2048	1/13/2049	9
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	12/23/2048	1/13/2049	9
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	12/23/2048	1/13/2049	9
Truck Loading on site - idling	Number of Vehicles	0	12	12/23/2048	1/13/2049	9
Trucks Traveling on site	Number of Vehicles	0	Unpaved	12/23/2048	1/13/2049	9
Deliveries on site - idling	Number of Vehicles	7		12/23/2048	1/13/2049	9
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	12/23/2048	1/13/2049	9
Cement Trucks - idling	Number of Vehicles	0		12/23/2048	1/13/2049	9
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/23/2048	1/13/2049	9
Conventional Tunneling - Miner Rd to Franklin Pl						270
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	8/30/2044	9/11/2045	270
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	8/30/2044	9/11/2045	270
Truck Loading Dust	Tons of material being loaded per day	480	Dirt	8/30/2044	9/11/2045	270
Truck Loading on site - idling	Number of Vehicles	24	20	8/30/2044	9/11/2045	270
Trucks Traveling on site	Number of Vehicles	24	Paved	8/30/2044	9/11/2045	270
Deliveries on site - idling	Number of Vehicles	17		8/30/2044	9/11/2045	270
Deliveries Traveling on site	Number of Vehicles	17	Paved	8/30/2044	9/11/2045	270
Cement Trucks - idling	Number of Vehicles	4		8/30/2044	9/11/2045	270
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	8/30/2044	9/11/2045	270
Conventional Tunneling - Station to North Double Crossover						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/15/2047	6/17/2047	110
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	1/15/2047	6/17/2047	110
Truck Loading Dust	Tons of material being loaded per day	280	Dirt	1/15/2047	6/17/2047	110
Truck Loading on site - idling	Number of Vehicles	14	20	1/15/2047	6/17/2047	110
Trucks Traveling on site	Number of Vehicles	14	Paved	1/15/2047	6/17/2047	110
Deliveries on site - idling	Number of Vehicles	17		1/15/2047	6/17/2047	110
Deliveries Traveling on site	Number of Vehicles	17	Paved	1/15/2047	6/17/2047	110
Cement Trucks - idling	Number of Vehicles	4		1/15/2047	6/17/2047	110
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	1/15/2047	6/17/2047	110
Conventional Tunneling - North Double Crossover to North Shaft						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/18/2045	12/29/2045	75
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	9/18/2045	12/29/2045	75
Truck Loading Dust	Tons of material being loaded per day	240	Dirt	9/18/2045	12/29/2045	75
Truck Loading on site - idling	Number of Vehicles	12	20	9/18/2045	12/29/2045	75
Trucks Traveling on site	Number of Vehicles	12	Paved	9/18/2045	12/29/2045	75
Deliveries on site - idling	Number of Vehicles	17		9/18/2045	12/29/2045	75
Deliveries Traveling on site	Number of Vehicles	17	Paved	9/18/2045	12/29/2045	75
Cement Trucks - idling	Number of Vehicles	4		9/18/2045	12/29/2045	75
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	9/18/2045	12/29/2045	75

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
--	--	--	79787.5	4787.25	74	6

Miner Rd Footprint				Pilgrimage Rd Footprint			
Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3)	Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3)
70	130	85	773500	55	115	130	822250

3930 7860

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	Volume (yd^	61,548
26	1565	530.92916	1661808.3	124635.62	462	23	x 2.0	123,097
							CY/day	455.9145

End	3725
Begin	2160

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	Volume (yd^	14,783
22	525	380.13271	399139.35	29935.451	272	14	x 2.0	29,566
							CY/day	268.7807

End	5335
Begin	4810

Excavation Quantity

Dia (ft)	Length (ft)	Area	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	Volume (yd^	8,729
22	310	380.13271	235682.28	17676.171	236	12	x 2.0	17,458
							CY/day	232.7726

End	6140
Begin	5830

SEM Construction - South Double Crossover						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	12/6/2044	11/20/2045	250
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	12/6/2044	11/20/2045	250
Truck Loading Dust	Tons of material being loaded per day	440	Dirt	12/6/2044	11/20/2045	250
Truck Loading on site - idling	Number of Vehicles	22	20	12/6/2044	11/20/2045	250
Trucks Traveling on site	Number of Vehicles	22	Paved	12/6/2044	11/20/2045	250
Deliveries on site - idling	Number of Vehicles	17		12/6/2044	11/20/2045	250
Deliveries Traveling on site	Number of Vehicles	17	Paved	12/6/2044	11/20/2045	250
Cement Trucks - idling	Number of Vehicles	0		12/6/2044	11/20/2045	250
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	12/6/2044	11/20/2045	250
SEM Construction - Station Structure						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	11/21/2045	1/14/2047	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	11/21/2045	1/14/2047	300
Truck Loading Dust	Tons of material being loaded per day	260	Dirt	11/21/2045	1/14/2047	300
Truck Loading on site - idling	Number of Vehicles	13	20	11/21/2045	1/14/2047	300
Trucks Traveling on site	Number of Vehicles	13	Paved	11/21/2045	1/14/2047	300
Deliveries on site - idling	Number of Vehicles	17		11/21/2045	1/14/2047	300
Deliveries Traveling on site	Number of Vehicles	17	Paved	11/21/2045	1/14/2047	300
Cement Trucks - idling	Number of Vehicles	0		11/21/2045	1/14/2047	300
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	11/21/2045	1/14/2047	300
SEM Construction - North Double Crossover						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/18/2047	6/1/2048	250
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt	6/18/2047	6/1/2048	250
Truck Loading Dust	Tons of material being loaded per day	360	Dirt	6/18/2047	6/1/2048	250
Truck Loading on site - idling	Number of Vehicles	18	20	6/18/2047	6/1/2048	250
Trucks Traveling on site	Number of Vehicles	18	Paved	6/18/2047	6/1/2048	250
Deliveries on site - idling	Number of Vehicles	17		6/18/2047	6/1/2048	250
Deliveries Traveling on site	Number of Vehicles	17	Paved	6/18/2047	6/1/2048	250
Cement Trucks - idling	Number of Vehicles	0		6/18/2047	6/1/2048	250
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/18/2047	6/1/2048	250
Crosspassage						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/15/2045	9/11/2045	86
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt	5/15/2045	9/11/2045	86
Truck Loading Dust	Tons of material being loaded per day	12	Dirt	5/15/2045	9/11/2045	86
Truck Loading on site - idling	Number of Vehicles	1	12	5/15/2045	9/11/2045	86
Trucks Traveling on site	Number of Vehicles	1	Paved	5/15/2045	9/11/2045	86
Deliveries on site - idling	Number of Vehicles	0		5/15/2045	9/11/2045	86
Deliveries Traveling on site	Number of Vehicles	0	Paved	5/15/2045	9/11/2045	86
Cement Trucks - idling	Number of Vehicles	1		5/15/2045	9/11/2045	86
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	5/15/2045	9/11/2045	86
Trackwork						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	6/2/2048	4/12/2049	225
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	6/2/2048	4/12/2049	225
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	6/2/2048	4/12/2049	225
Truck Loading on site - idling	Number of Vehicles	0	12	6/2/2048	4/12/2049	225
Trucks Traveling on site	Number of Vehicles	0	Paved	6/2/2048	4/12/2049	225
Deliveries on site - idling	Number of Vehicles	7		6/2/2048	4/12/2049	225
Deliveries Traveling on site	Number of Vehicles	7	Paved	6/2/2048	4/12/2049	225
Cement Trucks - idling	Number of Vehicles	0		6/2/2048	4/12/2049	225
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	6/2/2048	4/12/2049	225
Demolition - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/5/2047	5/19/2047	54
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate	3/5/2047	5/19/2047	54
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate	3/5/2047	5/19/2047	54
Truck Loading on site - idling	Number of Vehicles	4	12	3/5/2047	5/19/2047	54
Trucks Traveling on site	Number of Vehicles	4	Paved	3/5/2047	5/19/2047	54
Deliveries on site - idling	Number of Vehicles	0		3/5/2047	5/19/2047	54
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	3/5/2047	5/19/2047	54
Cement Trucks - idling	Number of Vehicles	0		3/5/2047	5/19/2047	54
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	3/5/2047	5/19/2047	54
Utility Relocation & Site Praparaton - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	5/19/2047	9/2/2047	76
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	5/19/2047	9/2/2047	76
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate	5/19/2047	9/2/2047	76
Truck Loading on site - idling	Number of Vehicles	0	12	5/19/2047	9/2/2047	76
Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/19/2047	9/2/2047	76
Deliveries on site - idling	Number of Vehicles	4		5/19/2047	9/2/2047	76
Deliveries Traveling on site	Number of Vehicles	4	Paved	5/19/2047	9/2/2047	76
Cement Trucks - idling	Number of Vehicles	0		5/19/2047	9/2/2047	76
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	5/19/2047	9/2/2047	76

Excavation Quantity

Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
70	43	2364.0485	1453889.8	109041.74	436	22	Volume (yd^3	53,848
	615						x 2.0	107,696
End	4390						CY/day	430.7822
Begin	3775							

Excavation Quantity

Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
70	43	2364.0485	992900.36	74467.527	248	12	Volume (yd^3	36,774
	420						x 2.0	73,548
End	4810						CY/day	245.1606
Begin	4390							

Excavation Quantity

Width (ft)	Length (ft)	Area (ft2)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		
70	43	2364.0485	1170204	87765.3	351	18	Volume (yd^3	43,341
	495						x 2.0	86,682
End	5830						CY/day	346.7271
Begin	5335							

Excavation Quantity

Width (ft)	Length (ft)	Height (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day	
12	60	12	8640	518.4	6	1	# Assumed 3 cross-passages.

Excavation Quantity

Area (acres)	Area (ft2)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
0.4132224	17999.9677	2	35999.935	2339.9958	43	4

West Entrance Footprint

Width (ft)	Length (ft)	Area (ft2)	Area (acres)
90	200	18000	0.4132224

Shoring - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/3/2047	10/14/2047	30
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	9/3/2047	10/14/2047	30
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate	9/3/2047	10/14/2047	30
Truck Loading on site - idling	Number of Vehicles	5	12	9/3/2047	10/14/2047	30
Trucks Traveling on site	Number of Vehicles	5	Unpaved	9/3/2047	10/14/2047	30
Deliveries on site - idling	Number of Vehicles	1		9/3/2047	10/14/2047	30
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	9/3/2047	10/14/2047	30
Cement Trucks - idling	Number of Vehicles	7		9/3/2047	10/14/2047	30
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	9/3/2047	10/14/2047	30
Excavation - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	10/15/2047	3/2/2048	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt	10/15/2047	3/2/2048	100
Truck Loading Dust	Tons of material being loaded per day	660	Dirt	10/15/2047	3/2/2048	100
Truck Loading on site - idling	Number of Vehicles	33	20	10/15/2047	3/2/2048	100
Trucks Traveling on site	Number of Vehicles	33	Paved	10/15/2047	3/2/2048	100
Deliveries on site - idling	Number of Vehicles	0		10/15/2047	3/2/2048	100
Deliveries Traveling on site	Number of Vehicles	0	Paved	10/15/2047	3/2/2048	100
Cement Trucks - idling	Number of Vehicles	0		10/15/2047	3/2/2048	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	10/15/2047	3/2/2048	100
Cast-in-place station box structure - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	3/3/2048	8/31/2048	130
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	3/3/2048	8/31/2048	130
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	3/3/2048	8/31/2048	130
Truck Loading on site - idling	Number of Vehicles	0	12	3/3/2048	8/31/2048	130
Trucks Traveling on site	Number of Vehicles	0	Paved	3/3/2048	8/31/2048	130
Deliveries on site - idling	Number of Vehicles	0		3/3/2048	8/31/2048	130
Deliveries Traveling on site	Number of Vehicles	0	Paved	3/3/2048	8/31/2048	130
Cement Trucks - idling	Number of Vehicles	4		3/3/2048	8/31/2048	130
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	3/3/2048	8/31/2048	130
MEP and Architectural finish work - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	9/1/2048	1/18/2049	100
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	9/1/2048	1/18/2049	100
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	9/1/2048	1/18/2049	100
Truck Loading on site - idling	Number of Vehicles	0	12	9/1/2048	1/18/2049	100
Trucks Traveling on site	Number of Vehicles	0	Paved	9/1/2048	1/18/2049	100
Deliveries on site - idling	Number of Vehicles	4		9/1/2048	1/18/2049	100
Deliveries Traveling on site	Number of Vehicles	4	Paved	9/1/2048	1/18/2049	100
Cement Trucks - idling	Number of Vehicles	0		9/1/2048	1/18/2049	100
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	9/1/2048	1/18/2049	100
Backfill - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/19/2049	2/24/2049	27
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	1/19/2049	2/24/2049	27
Truck Loading Dust	Tons of material being loaded per day	804	Dirt	1/19/2049	2/24/2049	27
Truck Loading on site - idling	Number of Vehicles	67	12	1/19/2049	2/24/2049	27
Trucks Traveling on site	Number of Vehicles	67	Paved	1/19/2049	2/24/2049	27
Deliveries on site - idling	Number of Vehicles	0		1/19/2049	2/24/2049	27
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/19/2049	2/24/2049	27
Cement Trucks - idling	Number of Vehicles	0		1/19/2049	2/24/2049	27
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/19/2049	2/24/2049	27
Surface restoration - West Entrance						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	2/25/2049	5/10/2049	53
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt	2/25/2049	5/10/2049	53
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	2/25/2049	5/10/2049	53
Truck Loading on site - idling	Number of Vehicles	0	12	2/25/2049	5/10/2049	53
Trucks Traveling on site	Number of Vehicles	0	Paved	2/25/2049	5/10/2049	53
Deliveries on site - idling	Number of Vehicles	6		2/25/2049	5/10/2049	53
Deliveries Traveling on site	Number of Vehicles	6	Paved	2/25/2049	5/10/2049	53
Cement Trucks - idling	Number of Vehicles	0		2/25/2049	5/10/2049	53
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	2/25/2049	5/10/2049	53
Cast-in-place station cavern structure - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/15/2047	1/13/2048	260
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/15/2047	1/13/2048	260
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/15/2047	1/13/2048	260
Truck Loading on site - idling	Number of Vehicles	0	12	1/15/2047	1/13/2048	260
Trucks Traveling on site	Number of Vehicles	0	Paved	1/15/2047	1/13/2048	260
Deliveries on site - idling	Number of Vehicles	0		1/15/2047	1/13/2048	260
Deliveries Traveling on site	Number of Vehicles	0	Paved	1/15/2047	1/13/2048	260
Cement Trucks - idling	Number of Vehicles	4		1/15/2047	1/13/2048	260
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	1/15/2047	1/13/2048	260

Excavation Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day		Volume (yd^3	20,000	
90	200	30	540000	32400	324	16	Soil	x 1.3	26,000	Soil
90	200	40	864000	64800	648	32	Rock	olume (yd^3	32,000	
						32	Max	x 2.0	64,000	Rock
								Total	90,000	

Backfill Quantity

Width (ft)	Length (ft)	Depth (ft)	/olume (ft^3	Weight (ton	Tons/day	Trucks/day
90	200	20	360000	21600	800	67

MEP and Architectural finish work - Station & Crossovers						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0	1/14/2048	3/8/2049	300
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt	1/14/2048	3/8/2049	300
Truck Loading Dust	Tons of material being loaded per day	0	Dirt	1/14/2048	3/8/2049	300
Truck Loading on site - idling	Number of Vehicles	0	12	1/14/2048	3/8/2049	300
Trucks Traveling on site	Number of Vehicles	0	Paved	1/14/2048	3/8/2049	300
Deliveries on site - idling	Number of Vehicles	4		1/14/2048	3/8/2049	300
Deliveries Traveling on site	Number of Vehicles	4	Paved	1/14/2048	3/8/2049	300
Cement Trucks - idling	Number of Vehicles	0		1/14/2048	3/8/2049	300
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	1/14/2048	3/8/2049	300

Hollywood Bowl Station and Crossovers	369 wks	4/15/2042	5/10/2049
Shaft Excavation	255 wks	4/15/2042	3/4/2047
Demolition, utility relocation, and site preparation	20 wks	4/15/2042	9/1/2042
Construct excavation structure (Miner Rd)	104 wks	9/2/2042	8/29/2044
Construct excavation structure (Pilgrimage Bridge)	130 wks	9/6/2044	3/4/2047
Conventional Tunneling	146 wks	8/30/2044	6/17/2047
Excavate / Shotcrete / Waterproofing / Finish (Miner Rd to Franklin Pl)	54 wks	8/30/2044	9/11/2045
Excavate / Shotcrete / Waterproofing / Finish (Station to North Double Crossover)	22 wks	1/15/2047	6/17/2047
Excavate / Shotcrete / Waterproofing / Finish (North Double Crossover to North Shaft)	15 wks	3/5/2047	6/17/2047
SEM Construction (Staggered Crews)	182 wks	12/6/2044	6/1/2048
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (South Double Crossover)	50 wks	12/6/2044	11/20/2045
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (Station Structure)	60 wks	11/21/2045	1/14/2047
Blast/ Bolt/ Excavate/ Shotcrete /Waterproofing /Finish Cavern (North Double Crossover)	50 wks	6/18/2047	6/1/2048
Trackwork	45 wks	6/2/2048	4/12/2049
Trackwork, track systems, and structural concrete (HH to HB)	45 wks	6/2/2048	4/12/2049
Station	112 wks	1/15/2047	3/8/2049
Cast-in-place station/crossover structure	52 wks	1/15/2047	1/13/2048
MEP and Architectural finish work	60 wks	1/14/2048	3/8/2049
West Entrance	114 wks	3/5/2047	5/10/2049
Demolition, utility relocation, and site preparation	26 wks	3/5/2047	9/2/2047
Shoring and excavation	26 wks	9/3/2047	3/2/2048
Cast-in-place station box structure	26 wks	3/3/2048	8/31/2048
MEP and Architectural finish work	20 wks	9/1/2048	1/18/2049
Backfill, exterior entry, and surface restoration	16 wks	1/19/2049	5/10/2049

AQ Input: Construction

Workers' Cars

Assuming number of workers equals to number of cars.

La Brea Alternative	From	to	Cars/day		From	to	Cars/day		From	to	Cars/day		From	to	Cars/day
Section 1	1/14/2041	12/31/2041	50	MSF Section 1	1/14/2041	12/31/2041	0	Section 2 HB	1/14/2041	12/31/2041	45	MSF Section 2 HB	1/14/2041	12/31/2041	0
	1/1/2042	12/31/2042	120		1/1/2042	12/31/2042	0		1/1/2042	12/31/2042	215		1/1/2042	12/31/2042	0
	1/1/2043	12/31/2043	180		1/1/2043	12/31/2043	0		1/1/2043	12/31/2043	110		1/1/2043	12/31/2043	0
	1/1/2044	12/31/2044	205		1/1/2044	12/31/2044	0		1/1/2044	12/31/2044	135		1/1/2044	12/31/2044	10
	1/1/2045	12/31/2045	205		1/1/2045	12/31/2045	0		1/1/2045	12/31/2045	420		1/1/2045	12/31/2045	45
	1/1/2046	12/31/2046	190		1/1/2046	12/31/2046	0		1/1/2046	12/31/2046	295		1/1/2046	12/31/2046	55
	1/1/2047	12/31/2047	170		1/1/2047	12/31/2047	5		1/1/2047	12/31/2047	380		1/1/2047	12/31/2047	55
	1/1/2048	12/31/2048	150		1/1/2048	12/31/2048	25		1/1/2048	12/31/2048	285		1/1/2048	12/31/2048	45
	1/1/2049	12/31/2049	45		1/1/2049	5/10/2049	10		1/1/2049	12/31/2049	70		1/1/2049	12/31/2049	10
	1/1/2050	10/10/2050	30		1/1/2050	10/10/2050	10		1/1/2050	10/10/2050	40		1/1/2050	10/10/2050	10
Section 2	1/14/2041	12/31/2041	40	MSF Section 2	1/14/2041	12/31/2041	0								
	1/1/2042	12/31/2042	150		1/1/2042	12/31/2042	0								
	1/1/2043	12/31/2043	185		1/1/2043	12/31/2043	25								
	1/1/2044	12/31/2044	215		1/1/2044	12/31/2044	50								
	1/1/2045	12/31/2045	180		1/1/2045	12/31/2045	55								
	1/1/2046	12/31/2046	215		1/1/2046	12/31/2046	55								
	1/1/2047	12/31/2047	135		1/1/2047	12/31/2047	20								
	1/1/2048	12/31/2048	55		1/1/2048	12/31/2048	10								
	1/1/2049	5/10/2049	30		1/1/2049	5/10/2049	10								

Fairfax Alternative	From	to	Cars/day		From	to	Cars/day		From	to	Cars/day		From	to	Cars/day
Section 1	1/14/2041	12/31/2041	50	MSF Section 1	1/14/2041	12/31/2041	0	Section 2 HB	1/14/2041	12/31/2041	70	MSF Section 2 HB	1/14/2041	12/31/2041	0
	1/1/2042	12/31/2042	120		1/1/2042	12/31/2042	0		1/1/2042	12/31/2042	280		1/1/2042	12/31/2042	0
	1/1/2043	12/31/2043	180		1/1/2043	12/31/2043	0		1/1/2043	12/31/2043	195		1/1/2043	12/31/2043	0
	1/1/2044	12/31/2044	205		1/1/2044	12/31/2044	0		1/1/2044	12/31/2044	200		1/1/2044	12/31/2044	5
	1/1/2045	12/31/2045	225		1/1/2045	12/31/2045	0		1/1/2045	12/31/2045	370		1/1/2045	12/31/2045	40
	1/1/2046	12/31/2046	215		1/1/2046	12/31/2046	0		1/1/2046	12/31/2046	330		1/1/2046	12/31/2046	55
	1/1/2047	12/31/2047	160		1/1/2047	12/31/2047	0		1/1/2047	12/31/2047	485		1/1/2047	12/31/2047	55
	1/1/2048	12/31/2048	160		1/1/2048	12/31/2048	25		1/1/2048	12/31/2048	210		1/1/2048	12/31/2048	45
	1/1/2049	12/31/2049	65		1/1/2049	12/31/2049	15		1/1/2049	12/31/2049	85		1/1/2049	12/31/2049	10
	1/1/2050	12/31/2050	30		1/1/2050	12/31/2050	10		1/1/2050	10/31/2050	50		1/1/2050	10/31/2050	10
	1/1/2051	2/27/2051	30		1/1/2051	2/27/2051	10								
Section 2	1/14/2041	12/31/2041	40	MSF Section 2	1/14/2041	12/31/2041	0								
	1/1/2042	12/31/2042	150		1/1/2042	12/31/2042	0								
	1/1/2043	12/31/2043	225		1/1/2043	12/31/2043	5								
	1/1/2044	12/31/2044	250		1/1/2044	12/31/2044	40								
	1/1/2045	12/31/2045	230		1/1/2045	12/31/2045	55								
	1/1/2046	12/31/2046	250		1/1/2046	12/31/2046	55								
	1/1/2047	12/31/2047	200		1/1/2047	12/31/2047	50								
	1/1/2048	12/31/2048	155		1/1/2048	12/31/2048	10								
	1/1/2049	11/8/2049	40		1/1/2049	11/8/2049	10								

SV-FF Alternative	From	to	Cars/day		From	to	Cars/day
Section 1	1/14/2041	12/31/2041	50	MSF Section 1	1/14/2041	12/31/2041	0
	1/1/2042	12/31/2042	120		1/1/2042	12/31/2042	0
	1/1/2043	12/31/2043	180		1/1/2043	12/31/2043	0
	1/1/2044	12/31/2044	205		1/1/2044	12/31/2044	0
	1/1/2045	12/31/2045	225		1/1/2045	12/31/2045	0
	1/1/2046	12/31/2046	215		1/1/2046	12/31/2046	0
	1/1/2047	12/31/2047	160		1/1/2047	12/31/2047	0
	1/1/2048	12/31/2048	160		1/1/2048	12/31/2048	25
	1/1/2049	12/31/2049	65		1/1/2049	12/31/2049	15
	1/1/2050	12/31/2050	30		1/1/2050	12/31/2050	10
	1/1/2051	2/27/2051	30		1/1/2051	2/27/2051	10
Section 2	1/14/2041	12/31/2041	45	MSF Section 2	1/14/2041	12/31/2041	0
	1/1/2042	12/31/2042	110		1/1/2042	12/31/2042	0
	1/1/2043	12/31/2043	155		1/1/2043	12/31/2043	0
	1/1/2044	12/31/2044	100		1/1/2044	12/31/2044	0
	1/1/2045	12/31/2045	90		1/1/2045	12/31/2045	30
	1/1/2046	12/31/2046	75		1/1/2046	12/31/2046	55
	1/1/2047	12/31/2047	165		1/1/2047	12/31/2047	55
	1/1/2048	12/31/2048	175		1/1/2048	12/31/2048	55
	1/1/2049	12/31/2049	135		1/1/2049	12/31/2049	20
	1/1/2050	12/31/2050	30		1/1/2050	12/31/2050	10
	1/1/2051	3/13/2051	30		1/1/2051	3/13/2051	10

Section 3	1/14/2041	12/31/2041	40	No MSF	Section 3 HB	From	to	Cars/day	No MSF
	1/1/2042	12/31/2042	150			1/14/2041	12/31/2041	50	
	1/1/2043	12/31/2043	185			1/1/2042	12/31/2042	230	
	1/1/2044	12/31/2044	220			1/1/2043	12/31/2043	150	
	1/1/2045	12/31/2045	220			1/1/2044	12/31/2044	185	
	1/1/2046	12/31/2046	215			1/1/2045	12/31/2045	375	
	1/1/2047	12/31/2047	145			1/1/2046	12/31/2046	300	
	1/1/2048	12/31/2048	80			1/1/2047	12/31/2047	390	
	1/1/2049	8/23/2049	30			1/1/2048	12/31/2048	240	
						1/1/2049	12/31/2049	70	
						1/1/2050	10/31/2050	30	

APPENDIX B **CONSTRUCTION EMISSION CALCULATIONS**

K LINE NORTHERN EXTENSION - SVFF Alternative with MSF
Maximum Daily Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 3 construction, therefore emissions for Section 3 with the HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	7	26	0	4	2
2042	3	32	54	0	13	6
2043	3	56	69	0	18	8
2044	3	56	61	0	17	6
2045	2	34	57	0	10	4
2046	2	16	59	0	6	3
2047	3	17	60	0	6	2
2048	3	16	65	0	7	3
2049	1	3	24	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*56*	*69*	*0*	*18*	*8*
SCAQMD Thresholds	75	100	550	150	150	55

Section 2 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	20	0	3	2
2042	2	31	52	0	12	6
2043	3	60	65	0	17	6
2044	1	29	30	0	7	3
2045	1	14	24	0	8	4
2046	1	13	52	0	5	3
2047	3	21	79	0	8	4
2048	4	21	83	0	9	4
2049	2	8	42	0	4	2
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*4*	*60*	*83*	*0*	*17*	*6*
SCAQMD Thresholds	75	100	550	150	150	55

Section 3

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	27	61	0	12	5
2043	4	86	80	1	26	9
2044	2	52	59	0	14	5
2045	2	30	55	0	9	3
2046	3	24	65	0	8	3
2047	2	10	48	0	3	1
2048	1	2	15	0	1	1
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*4*	*86*	*80*	*1*	*26*	*9*
SCAQMD Thresholds	75	100	550	150	150	55

Section 3 with HB Design Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 3 with the Hollywood Bowl Option (accounting for concurrent construction).

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	6	22	0	4	2
2042	5	51	100	1	19	9
2043	3	69	59	0	18	6
2044	4	48	75	0	10	4
2045	8	65	149	1	14	6
2046	6	40	125	1	8	3
2047	7	45	144	1	11	5
2048	4	23	91	0	6	3
2049	0	3	16	0	1	1
2050	0	0	1	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*8*	*69*	*149*	*1*	*19*	*9*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - SVFF Alternative with MSF
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 3 construction, therefore emissions for Section 3 with the MSF and HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.89	3.39	0.01	0.54	0.31	1,287
2042	0.34	4.15	7.08	0.04	1.71	0.81	4,327
2043	0.43	7.35	9.05	0.06	2.38	1.02	7,817
2044	0.34	7.36	7.94	0.06	2.28	0.77	8,335
2045	0.26	4.43	7.46	0.05	1.35	0.51	6,751
2046	0.31	2.15	7.73	0.04	0.78	0.34	5,102
2047	0.38	2.23	7.80	0.04	0.79	0.31	4,808
2048	0.46	2.11	8.51	0.04	0.88	0.43	4,797
2049	0.10	0.41	3.13	0.02	0.17	0.10	1,679
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16
Total for Section with MSF (US Tons)	2.73	31.07	62.39	0.37	10.87	4.60	45,021

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.43	2.93	0.01	0.01	0.01	837
2042	0.26	2.00	5.66	0.02	0.06	0.06	2,446
2043	0.29	3.32	6.67	0.03	0.09	0.09	4,278
2044	0.19	2.53	5.27	0.02	0.07	0.07	4,280
2045	0.17	2.00	5.32	0.02	0.06	0.06	4,342
2046	0.26	1.02	6.03	0.03	0.04	0.04	3,658
2047	0.33	0.82	6.40	0.03	0.04	0.04	3,263
2048	0.42	1.07	7.04	0.03	0.05	0.04	3,431
2049	0.09	0.36	2.60	0.01	0.01	0.01	1,386
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.12	13.55	47.93	0.21	0.44	0.41	27,921

Section 2 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.64	2.67	0.01	0.41	0.24	1,052
2042	0.32	4.06	6.82	0.04	1.61	0.73	4,290
2043	0.39	7.82	8.54	0.06	2.23	0.82	7,959
2044	0.16	3.86	3.93	0.03	0.96	0.33	4,387
2045	0.17	1.90	3.13	0.02	1.03	0.55	2,405
2046	0.19	1.71	6.84	0.04	0.68	0.38	4,008
2047	0.40	2.81	10.37	0.05	1.05	0.52	6,073
2048	0.48	2.78	10.86	0.06	1.14	0.59	6,095
2049	0.21	1.03	5.44	0.03	0.49	0.25	2,992
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.05	0.00	0.00	0.00	20
Total for Section with MSF (US Tons)	2.45	26.61	58.91	0.33	9.61	4.42	39,382

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.09	0.37	2.30	0.01	0.01	0.01	739
2042	0.25	1.82	5.45	0.02	0.06	0.05	2,375
2043	0.24	3.12	6.19	0.03	0.09	0.08	4,133
2044	0.09	1.67	2.66	0.01	0.04	0.04	2,509
2045	0.14	0.87	2.08	0.01	0.03	0.03	1,389
2046	0.16	0.99	5.80	0.03	0.02	0.02	3,094
2047	0.35	1.44	8.59	0.04	0.04	0.04	4,390
2048	0.43	1.55	9.05	0.04	0.05	0.05	4,435
2049	0.19	0.65	4.35	0.02	0.02	0.02	2,224
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	1.96	12.49	46.46	0.20	0.37	0.35	25,290

Section 1 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.28	1
2042	0.00	0.02	0.01	0.00	1.12	0.67	5
2043	0.00	0.04	0.02	0.00	1.25	0.77	10
2044	0.00	0.05	0.02	0.00	1.01	0.52	12
2045	0.00	0.02	0.01	0.00	0.65	0.35	6
2046	0.00	0.01	0.00	0.00	0.41	0.24	3
2047	0.00	0.01	0.01	0.00	0.35	0.22	4
2048	0.00	0.01	0.00	0.00	0.51	0.33	3
2049	0.00	0.00	0.00	0.00	0.12	0.08	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.17	0.08	0.00	5.83	3.47	45

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.44	0.13	0.00	0.10	0.02	323
2042	0.07	2.10	0.61	0.01	0.51	0.08	1,567
2043	0.13	3.95	1.17	0.03	1.01	0.15	3,066
2044	0.14	4.73	1.31	0.03	1.17	0.17	3,517
2045	0.07	2.35	0.66	0.02	0.61	0.09	1,829
2046	0.03	1.07	0.29	0.01	0.29	0.04	891
2047	0.04	1.36	0.36	0.01	0.38	0.05	1,133
2048	0.03	0.99	0.26	0.01	0.29	0.04	890
2049	0.00	0.04	0.01	0.00	0.03	0.00	90
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.51	17.03	4.79	0.12	4.39	0.64	13,305

Section 2 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.33	0.22	1
2042	0.00	0.02	0.01	0.00	1.01	0.59	5
2043	0.00	0.04	0.02	0.00	1.00	0.57	11
2044	0.00	0.02	0.01	0.00	0.37	0.21	5
2045	0.00	0.01	0.00	0.00	0.75	0.48	2
2046	0.00	0.01	0.00	0.00	0.45	0.32	2
2047	0.00	0.01	0.01	0.00	0.60	0.42	4
2048	0.00	0.01	0.01	0.00	0.70	0.48	4
2049	0.00	0.00	0.00	0.00	0.32	0.21	1
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.13	0.06	0.00	5.53	3.49	36

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.26	0.08	0.00	0.06	0.01	200
2042	0.07	2.19	0.63	0.01	0.53	0.08	1,626
2043	0.14	4.62	1.30	0.03	1.12	0.17	3,415
2044	0.06	2.15	0.60	0.01	0.53	0.08	1,615
2045	0.03	0.99	0.26	0.01	0.24	0.04	707
2046	0.02	0.68	0.19	0.01	0.19	0.03	579
2047	0.04	1.31	0.34	0.01	0.37	0.05	1,117
2048	0.03	1.17	0.31	0.01	0.35	0.05	1,068
2049	0.01	0.34	0.09	0.00	0.12	0.02	371
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.41	13.70	3.80	0.10	3.51	0.51	10,699

Section 1 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.03	0.80	0.00	0.02	0.01	310
2043	0.01	0.04	1.19	0.00	0.03	0.01	463
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.01	0.05	1.47	0.01	0.03	0.01	574
2046	0.01	0.05	1.40	0.01	0.03	0.01	550
2047	0.01	0.03	1.04	0.00	0.02	0.01	408
2048	0.01	0.04	1.20	0.00	0.03	0.01	473
2049	0.00	0.02	0.52	0.00	0.01	0.00	204
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16
Total for Section with MSF (US Tons)	0.09	0.33	9.59	0.04	0.22	0.08	3,751

Section 2 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.29	0.00	0.01	0.00	113
2042	0.01	0.03	0.73	0.00	0.02	0.01	284
2043	0.01	0.04	1.02	0.00	0.02	0.01	399
2044	0.01	0.02	0.66	0.00	0.01	0.01	257
2045	0.01	0.03	0.78	0.00	0.02	0.01	306
2046	0.01	0.03	0.85	0.00	0.02	0.01	332
2047	0.01	0.05	1.43	0.01	0.03	0.01	562
2048	0.01	0.05	1.50	0.01	0.03	0.01	589
2049	0.01	0.03	1.00	0.00	0.02	0.01	395
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.05	0.00	0.00	0.00	20
Total for Section with MSF (US Tons)	0.08	0.29	8.58	0.03	0.20	0.07	3,357

Section 3

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.35	3.58	7.96	0.04	1.52	0.72	4,978
2043	0.54	11.30	10.54	0.08	3.36	1.19	10,355
2044	0.30	6.82	7.78	0.06	1.86	0.65	8,040
2045	0.23	3.94	7.21	0.05	1.23	0.43	6,162
2046	0.37	3.09	8.58	0.05	1.03	0.36	5,837
2047	0.28	1.28	6.34	0.03	0.46	0.19	3,641
2048	0.09	0.31	1.96	0.01	0.18	0.09	1,047
2049	0.00	0.00	0.12	0.00	0.00	0.00	49
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section (US Tons)	2.28	30.99	52.93	0.34	10.14	3.92	41,048

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.81	6.45	0.03	0.06	0.05	3,282
2043	0.30	3.78	7.22	0.03	0.11	0.10	4,474
2044	0.16	2.57	5.17	0.02	0.07	0.07	4,394
2045	0.14	1.20	5.05	0.02	0.04	0.04	3,591
2046	0.30	0.88	6.59	0.03	0.04	0.04	3,564
2047	0.25	0.66	5.23	0.02	0.03	0.03	2,682
2048	0.09	0.20	1.41	0.01	0.01	0.01	724
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section (US Tons)	1.63	11.51	39.23	0.17	0.37	0.35	23,347

Section 3 with HB Design Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 3 with the Hollywood Bowl Option (accounting for concurrent construction).

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.78	2.93	0.01	0.55	0.32	1,106
2042	0.61	6.63	13.10	0.07	2.53	1.21	7,635
2043	0.39	9.04	7.69	0.06	2.36	0.80	7,997
2044	0.54	6.29	9.80	0.05	1.32	0.48	7,347
2045	0.98	8.57	19.54	0.09	1.85	0.85	12,142
2046	0.76	5.21	16.37	0.08	1.00	0.37	9,975
2047	0.90	5.87	18.85	0.09	1.50	0.62	10,939
2048	0.57	3.00	11.90	0.06	0.72	0.34	6,701
2049	0.06	0.37	2.06	0.01	0.18	0.08	1,121
2050	0.00	0.01	0.16	0.00	0.00	0.00	63
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section & HB Option (US Tons)	4.96	45.75	102.40	0.51	12.01	5.08	65,026

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.46	2.51	0.01	0.01	0.01	736
2042	0.51	3.86	10.78	0.04	0.10	0.09	5,003
2043	0.21	3.33	5.08	0.02	0.09	0.09	3,527
2044	0.44	3.52	7.82	0.03	0.08	0.07	4,740
2045	0.89	6.25	16.47	0.06	0.13	0.12	9,350
2046	0.69	3.25	13.90	0.06	0.08	0.08	7,625
2047	0.81	3.64	15.74	0.06	0.10	0.09	8,074
2048	0.54	2.31	10.16	0.04	0.07	0.06	5,408
2049	0.06	0.20	1.57	0.01	0.01	0.01	797
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section & HB Option (US Tons)	4.27	26.82	84.03	0.33	0.66	0.62	45,260

Section 3

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.02	0.59	4
2043	0.00	0.07	0.03	0.00	1.44	0.82	18
2044	0.00	0.04	0.02	0.00	0.74	0.42	10
2045	0.00	0.03	0.01	0.00	0.49	0.28	7
2046	0.00	0.02	0.01	0.00	0.39	0.22	6
2047	0.00	0.01	0.00	0.00	0.22	0.13	2
2048	0.00	0.00	0.00	0.00	0.12	0.07	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section (US Tons)	0.01	0.18	0.09	0.00	4.84	2.81	48

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.05	1.72	0.50	0.01	0.42	0.06	1,304
2043	0.22	7.40	2.07	0.05	1.78	0.26	5,388
2044	0.12	4.16	1.15	0.03	1.02	0.15	3,072
2045	0.08	2.66	0.72	0.02	0.67	0.10	2,003
2046	0.06	2.15	0.58	0.02	0.57	0.08	1,718
2047	0.02	0.59	0.16	0.01	0.19	0.03	587
2048	0.00	0.09	0.03	0.00	0.04	0.00	118
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section (US Tons)	0.56	19.02	5.26	0.13	4.75	0.69	14,390

Section 3 with HB Design Option

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.46	0.29	1
2042	0.00	0.03	0.01	0.00	1.74	1.01	7
2043	0.00	0.05	0.03	0.00	0.90	0.51	14
2044	0.00	0.03	0.01	0.00	0.52	0.30	7
2045	0.00	0.02	0.01	0.00	1.07	0.62	6
2046	0.00	0.02	0.01	0.00	0.35	0.20	5
2047	0.00	0.02	0.01	0.00	0.73	0.43	6
2048	0.00	0.01	0.00	0.00	0.40	0.23	2
2049	0.00	0.00	0.00	0.00	0.11	0.06	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section & HB Option (US Tons)	0.01	0.17	0.08	0.00	6.28	3.66	49

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.30	0.09	0.00	0.08	0.01	243
2042	0.08	2.69	0.77	0.02	0.66	0.10	2,031
2043	0.17	5.62	1.59	0.04	1.34	0.20	4,071
2044	0.08	2.70	0.75	0.02	0.69	0.10	2,125
2045	0.07	2.22	0.62	0.02	0.60	0.08	1,830
2046	0.05	1.88	0.51	0.01	0.52	0.07	1,578
2047	0.06	2.13	0.56	0.02	0.61	0.08	1,863
2048	0.02	0.63	0.17	0.01	0.22	0.03	677
2049	0.00	0.15	0.04	0.00	0.05	0.01	145
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section & HB Option (US Tons)	0.55	18.31	5.11	0.13	4.77	0.68	14,563

Section 3

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.04	1.22	0.00	0.03	0.01	476
2044	0.01	0.05	1.45	0.01	0.03	0.01	565
2045	0.01	0.05	1.43	0.01	0.03	0.01	561
2046	0.01	0.05	1.40	0.01	0.03	0.01	550
2047	0.01	0.03	0.94	0.00	0.02	0.01	370
2048	0.00	0.02	0.52	0.00	0.01	0.00	205
2049	0.00	0.00	0.12	0.00	0.00	0.00	49
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section (US Tons)	0.08	0.29	8.35	0.03	0.19	0.07	3,263

Section 3 with HB Design Option

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.05	1.53	0.01	0.03	0.01	594
2043	0.01	0.03	0.99	0.00	0.02	0.01	386
2044	0.01	0.04	1.22	0.00	0.03	0.01	475
2045	0.02	0.08	2.44	0.01	0.06	0.02	957
2046	0.02	0.07	1.96	0.01	0.04	0.02	767
2047	0.02	0.08	2.53	0.01	0.06	0.02	995
2048	0.01	0.05	1.56	0.01	0.04	0.01	614
2049	0.00	0.01	0.45	0.00	0.01	0.00	178
2050	0.00	0.01	0.16	0.00	0.00	0.00	63
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section & HB Option (US Tons)	0.12	0.45	13.18	0.05	0.30	0.11	5,155

K LINE NORTHERN EXTENSION - SVFF Alternative: MSF Only
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- This tab shows emissions associated with MSF construction only. MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions will be considered together when determining impacts.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

MSF Concurrent with Section 1

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.06	0.41	1.19	0.01	0.25	0.16	593
2049	0.01	0.13	0.50	0.00	0.07	0.05	242
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4
Total for MSF (US Tons)	0.07	0.54	1.76	0.01	0.32	0.21	864

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.05	0.26	0.99	0.00	0.01	0.01	412
2049	0.01	0.11	0.40	0.00	0.00	0.00	180
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.06	0.37	1.38	0.01	0.01	0.01	593

MSF Concurrent with Section 2

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.14	1.36	1.98	0.01	0.68	0.34	1,317
2046	0.12	1.07	3.01	0.01	0.57	0.35	1,569
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,493
2048	0.10	0.82	3.10	0.01	0.45	0.32	1,494
2049	0.02	0.21	0.81	0.00	0.11	0.08	389
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	5
Total for MSF (US Tons)	0.48	4.28	12.07	0.06	2.27	1.41	6,292

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.11	0.40	1.53	0.01	0.01	0.01	571
2046	0.11	0.68	2.55	0.01	0.01	0.01	1,124
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2049	0.02	0.18	0.68	0.00	0.00	0.00	311
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.42	2.74	10.19	0.04	0.05	0.05	4,496

MSF Concurrent with Section 3

There is no MSF construction concurrent with Section 3.

MSF Concurrent with Section 3 and HB Design Option

There is no MSF construction concurrent with Section 3 including the HB Design Option.

MSF Concurrent with Section 1

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.00	0.00	0.00	0.20	0.15	0
2049	0.00	0.00	0.00	0.00	0.06	0.04	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.00	0.00	0.00	0.26	0.19	0

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.14	0.04	0.00	0.04	0.01	117
2049	0.00	0.02	0.00	0.00	0.01	0.00	23
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.16	0.04	0.00	0.05	0.01	140

MSF Concurrent with Section 2

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.01	0.00	0.00	0.44	0.29	2
2046	0.00	0.00	0.00	0.00	0.45	0.32	1
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.40	0.30	0
2049	0.00	0.00	0.00	0.00	0.10	0.08	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.01	0.00	1.78	1.29	4

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.03	0.94	0.25	0.01	0.23	0.03	667
2046	0.01	0.37	0.10	0.00	0.10	0.01	303
2047	0.00	0.08	0.02	0.00	0.03	0.00	108
2048	0.00	0.08	0.02	0.00	0.03	0.00	108
2049	0.00	0.02	0.01	0.00	0.01	0.00	27
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.04	1.48	0.40	0.01	0.40	0.06	1,213

MSF Concurrent with Section 1

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.01	0.16	0.00	0.00	0.00	64
2049	0.00	0.00	0.10	0.00	0.00	0.00	38
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4
Total for MSF (US Tons)	0.00	0.01	0.33	0.00	0.01	0.00	132

MSF Concurrent with Section 2

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.01	0.20	0.00	0.00	0.00	77
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.36	0.00	0.01	0.00	141
2049	0.00	0.00	0.13	0.00	0.00	0.00	51
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	5
Total for MSF (US Tons)	0.01	0.05	1.48	0.01	0.03	0.01	579

K LINE NORTHERN EXTENSION - FF Alternative with MSF
Maximum Daily Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 2 construction, therefore emissions for Section 2 with the HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	7	26	0	4	2
2042	3	32	54	0	13	6
2043	3	56	69	0	18	8
2044	3	56	61	0	17	6
2045	2	34	57	0	10	4
2046	2	16	59	0	6	3
2047	3	17	60	0	6	2
2048	3	16	65	0	7	3
2049	1	3	24	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*56*	*69*	*0*	*18*	*8*
SCAQMD Thresholds	75	100	550	150	150	55

Section 2 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	27	61	0	12	6
2043	5	91	102	1	29	11
2044	5	90	96	1	29	11
2045	3	43	84	1	14	6
2046	4	32	95	1	12	5
2047	4	23	85	0	9	5
2048	2	6	39	0	3	1
2049	0	0	2	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*5*	*91*	*102*	*1*	*29*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

Section 2 with MSF and HB Design Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 2 with the Hollywood Bowl Option (accounting for concurrent construction).

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	8	30	0	6	3
2042	6	65	123	1	25	12
2043	4	91	75	1	24	8
2044	4	50	80	0	11	4
2045	9	75	167	1	20	10
2046	7	48	157	1	11	5
2047	10	59	195	1	18	9
2048	5	28	109	1	9	5
2049	1	3	17	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*10*	*91*	*195*	*1*	*25*	*12*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - FF Alternative with MSF
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 2 construction, therefore emissions for Section 2 with the MSF and HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.89	3.39	0.01	0.54	0.31	1,287
2042	0.34	4.15	7.08	0.04	1.71	0.81	4,327
2043	0.43	7.35	9.05	0.06	2.38	1.02	7,817
2044	0.34	7.36	7.94	0.06	2.28	0.77	8,335
2045	0.26	4.43	7.46	0.05	1.35	0.51	6,751
2046	0.31	2.15	7.73	0.04	0.78	0.34	5,102
2047	0.38	2.23	7.80	0.04	0.79	0.31	4,808
2048	0.46	2.11	8.51	0.04	0.88	0.43	4,797
2049	0.10	0.41	3.13	0.02	0.17	0.10	1,679
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16
Total for Section with MSF (US Tons)	2.73	31.07	62.39	0.37	10.87	4.60	45,021

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.43	2.93	0.01	0.01	0.01	837
2042	0.26	2.00	5.66	0.02	0.06	0.06	2,446
2043	0.29	3.32	6.67	0.03	0.09	0.09	4,278
2044	0.19	2.53	5.27	0.02	0.07	0.07	4,280
2045	0.17	2.00	5.32	0.02	0.06	0.06	4,342
2046	0.26	1.02	6.03	0.03	0.04	0.04	3,658
2047	0.33	0.82	6.40	0.03	0.04	0.04	3,263
2048	0.42	1.07	7.04	0.03	0.05	0.04	3,431
2049	0.09	0.36	2.60	0.01	0.01	0.01	1,386
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.12	13.55	47.93	0.21	0.44	0.41	27,921

Section 2 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.35	3.60	8.03	0.05	1.54	0.73	5,002
2043	0.67	11.88	13.40	0.10	3.80	1.44	11,653
2044	0.61	11.73	12.58	0.10	3.79	1.47	12,262
2045	0.36	5.60	10.96	0.07	1.87	0.79	8,602
2046	0.48	4.19	12.40	0.07	1.58	0.72	7,963
2047	0.49	2.96	11.17	0.06	1.19	0.59	6,393
2048	0.28	0.81	5.13	0.03	0.38	0.19	2,652
2049	0.00	0.01	0.28	0.00	0.01	0.00	108
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	3.37	41.44	76.39	0.47	14.66	6.22	55,574

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.82	6.52	0.03	0.06	0.05	3,299
2043	0.42	4.10	9.71	0.04	0.12	0.11	5,446
2044	0.37	3.96	8.55	0.04	0.11	0.10	5,948
2045	0.24	2.13	8.17	0.04	0.06	0.06	5,286
2046	0.39	1.71	9.76	0.04	0.06	0.05	5,234
2047	0.44	1.54	9.18	0.04	0.05	0.05	4,532
2048	0.27	0.57	3.99	0.02	0.03	0.03	1,950
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.52	16.24	57.99	0.25	0.49	0.46	32,333

Section 1 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.28	1
2042	0.00	0.02	0.01	0.00	1.12	0.67	5
2043	0.00	0.04	0.02	0.00	1.25	0.77	10
2044	0.00	0.05	0.02	0.00	1.01	0.52	12
2045	0.00	0.02	0.01	0.00	0.65	0.35	6
2046	0.00	0.01	0.00	0.00	0.41	0.24	3
2047	0.00	0.01	0.01	0.00	0.35	0.22	4
2048	0.00	0.01	0.00	0.00	0.51	0.33	3
2049	0.00	0.00	0.00	0.00	0.12	0.08	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.17	0.08	0.00	5.83	3.47	45

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.44	0.13	0.00	0.10	0.02	323
2042	0.07	2.10	0.61	0.01	0.51	0.08	1,567
2043	0.13	3.95	1.17	0.03	1.01	0.15	3,066
2044	0.14	4.73	1.31	0.03	1.17	0.17	3,517
2045	0.07	2.35	0.66	0.02	0.61	0.09	1,829
2046	0.03	1.07	0.29	0.01	0.29	0.04	891
2047	0.04	1.36	0.36	0.01	0.38	0.05	1,133
2048	0.03	0.99	0.26	0.01	0.29	0.04	890
2049	0.00	0.04	0.01	0.00	0.03	0.00	90
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.51	17.03	4.79	0.12	4.39	0.64	13,305

Section 2 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.03	0.60	4
2043	0.00	0.07	0.04	0.00	1.80	1.04	19
2044	0.00	0.07	0.03	0.00	1.78	1.08	18
2045	0.00	0.03	0.02	0.00	0.91	0.59	9
2046	0.00	0.02	0.01	0.00	0.84	0.56	6
2047	0.00	0.01	0.01	0.00	0.71	0.47	4
2048	0.00	0.00	0.00	0.00	0.24	0.14	1
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.23	0.11	0.00	7.74	4.76	62

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.05	1.73	0.50	0.01	0.42	0.06	1,311
2043	0.23	7.66	2.14	0.05	1.85	0.27	5,597
2044	0.22	7.63	2.10	0.05	1.85	0.27	5,550
2045	0.10	3.37	0.91	0.02	0.85	0.12	2,580
2046	0.07	2.39	0.64	0.02	0.64	0.09	1,943
2047	0.04	1.35	0.36	0.01	0.40	0.05	1,219
2048	0.01	0.20	0.06	0.00	0.09	0.01	279
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.73	24.58	6.79	0.17	6.17	0.90	18,680

Section 1 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.03	0.80	0.00	0.02	0.01	310
2043	0.01	0.04	1.19	0.00	0.03	0.01	463
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.01	0.05	1.47	0.01	0.03	0.01	574
2046	0.01	0.05	1.40	0.01	0.03	0.01	550
2047	0.01	0.03	1.04	0.00	0.02	0.01	408
2048	0.01	0.04	1.20	0.00	0.03	0.01	473
2049	0.00	0.02	0.52	0.00	0.01	0.00	204
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16
Total for Section with MSF (US Tons)	0.09	0.33	9.59	0.04	0.22	0.08	3,751

Section 2 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.05	1.52	0.01	0.03	0.01	592
2044	0.02	0.07	1.91	0.01	0.04	0.02	744
2045	0.02	0.06	1.86	0.01	0.04	0.02	727
2046	0.02	0.07	1.99	0.01	0.05	0.02	780
2047	0.01	0.05	1.62	0.01	0.04	0.01	638
2048	0.01	0.04	1.07	0.00	0.02	0.01	422
2049	0.00	0.01	0.28	0.00	0.01	0.00	108
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.11	0.39	11.50	0.04	0.26	0.10	4,499

Section 2 with MSF and HB Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 2 with the MSF and Hollywood Bowl Option (accounting for concurrent construction).

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.18	1.02	3.99	0.01	0.74	0.43	1,527
2042	0.75	8.55	16.14	0.09	3.25	1.52	9,625
2043	0.51	11.92	9.83	0.09	3.17	1.05	10,699
2044	0.59	6.58	10.50	0.06	1.48	0.56	7,847
2045	1.12	9.81	21.84	0.10	2.62	1.25	13,606
2046	0.90	6.33	20.62	0.10	1.50	0.69	12,262
2047	1.26	7.77	25.52	0.12	2.40	1.13	14,394
2048	0.65	3.71	14.25	0.07	1.12	0.62	7,847
2049	0.07	0.37	2.22	0.01	0.18	0.08	1,185
2050	0.00	0.01	0.32	0.00	0.01	0.00	126
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	6.03	56.09	125.24	0.64	16.46	7.34	79,120

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.17	0.64	3.42	0.01	0.02	0.02	1,049
2042	0.62	4.66	13.17	0.05	0.12	0.12	6,065
2043	0.26	4.07	6.31	0.03	0.11	0.11	4,570
2044	0.49	3.61	8.34	0.03	0.08	0.07	5,038
2045	1.00	6.45	18.26	0.07	0.14	0.13	10,007
2046	0.81	4.04	17.51	0.07	0.10	0.09	9,407
2047	1.14	4.81	21.25	0.08	0.13	0.13	10,492
2048	0.61	2.95	12.40	0.05	0.08	0.07	6,435
2049	0.06	0.20	1.57	0.01	0.01	0.01	797
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	5.15	31.43	102.23	0.40	0.78	0.74	53,861

Section 2 with MSF and HB Option

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.61	0.39	1
2042	0.00	0.04	0.02	0.00	2.16	1.26	9
2043	0.00	0.07	0.04	0.00	1.18	0.66	19
2044	0.00	0.03	0.01	0.00	0.63	0.36	8
2045	0.00	0.03	0.01	0.00	1.59	0.98	8
2046	0.00	0.02	0.01	0.00	0.74	0.50	6
2047	0.00	0.03	0.01	0.00	1.36	0.86	8
2048	0.00	0.01	0.00	0.00	0.76	0.50	3
2049	0.00	0.00	0.00	0.00	0.11	0.06	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.01	0.23	0.11	0.00	9.14	5.58	63

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.36	0.11	0.00	0.09	0.01	302
2042	0.12	3.78	1.08	0.03	0.92	0.14	2,827
2043	0.23	7.74	2.19	0.05	1.85	0.27	5,608
2044	0.09	2.90	0.81	0.02	0.74	0.11	2,275
2045	0.10	3.24	0.89	0.02	0.84	0.12	2,545
2046	0.06	2.19	0.59	0.02	0.61	0.09	1,864
2047	0.08	2.82	0.75	0.02	0.82	0.11	2,516
2048	0.02	0.69	0.19	0.01	0.24	0.03	757
2049	0.00	0.15	0.04	0.00	0.05	0.01	145
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.72	23.88	6.66	0.17	6.17	0.89	18,840

Section 2 with MSF and HB Option

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.02	0.45	0.00	0.01	0.00	175
2042	0.02	0.07	1.87	0.01	0.04	0.02	723
2043	0.01	0.04	1.29	0.00	0.03	0.01	502
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.02	0.09	2.67	0.01	0.06	0.02	1,046
2046	0.02	0.08	2.51	0.01	0.06	0.02	984
2047	0.03	0.12	3.51	0.01	0.08	0.03	1,378
2048	0.02	0.05	1.66	0.01	0.04	0.01	652
2049	0.01	0.02	0.62	0.00	0.01	0.01	242
2050	0.00	0.01	0.32	0.00	0.01	0.00	126
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.15	0.55	16.24	0.06	0.37	0.14	6,356

K LINE NORTHERN EXTENSION - FF Alternative: MSF Only
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- This tab shows emissions associated with MSF construction only. MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions will be considered together when determining impacts.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

MSF Concurrent with Section 1

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.06	0.41	1.19	0.01	0.25	0.16	593
2049	0.01	0.13	0.50	0.00	0.07	0.05	242
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4
Total for MSF (US Tons)	0.07	0.54	1.76	0.01	0.32	0.21	864

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.05	0.26	0.99	0.00	0.01	0.01	412
2049	0.01	0.11	0.40	0.00	0.00	0.00	180
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.06	0.37	1.38	0.01	0.01	0.01	593

MSF Concurrent with Section 2

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.02	0.15	0.23	0.00	0.08	0.04	152
2044	0.18	1.75	2.69	0.02	0.86	0.44	1,743
2045	0.10	0.83	3.10	0.01	0.45	0.32	1,498
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,498
2047	0.09	0.76	2.84	0.01	0.42	0.29	1,372
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.06	0.00	0.00	0.00	22
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.48	4.31	12.08	0.06	2.27	1.41	6,310

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.01	0.04	0.17	0.00	0.00	0.00	63
2044	0.14	0.56	2.10	0.01	0.01	0.01	802
2045	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.08	0.67	2.49	0.01	0.01	0.01	1,141
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.42	2.74	10.19	0.04	0.05	0.05	4,496

MSF Concurrent with Section 1

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.00	0.00	0.00	0.20	0.15	0
2049	0.00	0.00	0.00	0.00	0.06	0.04	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.00	0.00	0.00	0.26	0.19	0

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.14	0.04	0.00	0.04	0.01	117
2049	0.00	0.02	0.00	0.00	0.01	0.00	23
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.16	0.04	0.00	0.05	0.01	140

MSF Concurrent with Section 2

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.05	0.03	0
2044	0.00	0.01	0.01	0.00	0.57	0.38	3
2045	0.00	0.00	0.00	0.00	0.40	0.30	0
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.37	0.28	0
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.01	0.00	1.78	1.29	4

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.11	0.03	0.00	0.03	0.00	75
2044	0.03	1.17	0.33	0.01	0.28	0.04	836
2045	0.00	0.08	0.03	0.00	0.03	0.00	112
2046	0.00	0.08	0.03	0.00	0.03	0.00	112
2047	0.00	0.07	0.02	0.00	0.03	0.00	103
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.05	1.51	0.43	0.01	0.40	0.06	1,239

MSF Concurrent with Section 1

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.01	0.16	0.00	0.00	0.00	64
2049	0.00	0.00	0.10	0.00	0.00	0.00	38
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4
Total for MSF (US Tons)	0.00	0.01	0.33	0.00	0.01	0.00	132

MSF Concurrent with Section 2

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.03	0.00	0.00	0.00	13
2044	0.00	0.01	0.26	0.00	0.01	0.00	103
2045	0.00	0.01	0.36	0.00	0.01	0.00	140
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.32	0.00	0.01	0.00	128
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.06	0.00	0.00	0.00	22
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.01	0.05	1.46	0.01	0.03	0.01	571

MSF Concurrent with Section 2 and HB Option

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.02	0.15	0.23	0.00	0.08	0.04	151
2045	0.18	1.74	2.68	0.02	0.86	0.44	1,736
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2048	0.09	0.75	2.80	0.01	0.41	0.29	1,357
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	21
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.48	4.29	12.03	0.06	2.26	1.41	6,282

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.01	0.04	0.17	0.00	0.00	0.00	63
2045	0.14	0.56	2.10	0.01	0.01	0.01	802
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.08	0.67	2.49	0.01	0.01	0.01	1,141
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.42	2.74	10.19	0.04	0.05	0.05	4,496

MSF Concurrent with Section 2 and HB Option

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.05	0.03	0
2045	0.00	0.01	0.01	0.00	0.57	0.38	3
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.37	0.28	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.01	0.00	1.78	1.29	4

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.10	0.03	0.00	0.03	0.00	75
2045	0.03	1.16	0.32	0.01	0.28	0.04	830
2046	0.00	0.08	0.02	0.00	0.03	0.00	110
2047	0.00	0.08	0.02	0.00	0.03	0.00	110
2048	0.00	0.07	0.02	0.00	0.03	0.00	101
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.04	1.49	0.41	0.01	0.40	0.06	1,225

MSF Concurrent with Section 2 and HB Option

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.03	0.00	0.00	0.00	13
2045	0.00	0.01	0.26	0.00	0.01	0.00	102
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.29	0.00	0.01	0.00	115
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	21
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.01	0.05	1.42	0.01	0.03	0.01	558

K LINE NORTHERN EXTENSION - LB Alternative with MSF
Maximum Daily Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 2 construction, therefore emissions for Section 2 with the HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	7	26	0	4	2
2042	3	32	54	0	13	6
2043	3	58	69	0	18	8
2044	3	54	59	0	15	5
2045	2	26	48	0	8	3
2046	2	16	57	0	5	2
2047	3	15	60	0	5	2
2048	3	10	63	0	5	3
2049	0	1	10	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*58*	*69*	*0*	*18*	*8*
SCAQMD Thresholds	75	100	550	150	150	55

Section 2 with MSF

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	29	61	0	12	6
2043	5	94	92	1	30	11
2044	3	60	80	1	19	8
2045	3	30	74	0	11	5
2046	5	33	99	1	12	5
2047	3	12	53	0	5	3
2048	1	1	9	0	1	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*5*	*94*	*99*	*1*	*30*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

Section 2 with MSF and HB Design Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 2 with the Hollywood Bowl Option (accounting for concurrent construction).

Maximum Pounds Per Day

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	6	21	0	4	2
2042	4	42	87	0	17	8
2043	3	60	52	0	17	7
2044	3	39	53	0	9	3
2045	11	98	201	1	24	11
2046	6	43	141	1	11	5
2047	8	52	170	1	15	7
2048	6	33	123	1	10	5
2049	1	3	16	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*11*	*98*	*201*	*1*	*24*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - LB Alternative with MSF
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions are presented together.
- The HB Design Option would occur concurrently with, and alter, Section 2 construction, therefore emissions for Section 2 with the MSF and HB Design Option have been estimated separately.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Section 1 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.90	3.44	0.01	0.54	0.31	1,322
2042	0.34	4.17	7.13	0.04	1.71	0.81	4,363
2043	0.43	7.54	9.07	0.06	2.40	0.99	7,827
2044	0.33	7.04	7.79	0.06	1.96	0.67	8,025
2045	0.21	3.39	6.35	0.04	1.06	0.43	5,450
2046	0.31	2.08	7.52	0.04	0.71	0.28	4,849
2047	0.39	1.99	7.92	0.04	0.70	0.29	4,668
2048	0.43	1.32	8.30	0.04	0.68	0.40	4,250
2049	0.03	0.12	1.29	0.01	0.04	0.02	690
2050	0.00	0.01	0.20	0.00	0.00	0.00	78
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.60	28.56	59.00	0.34	9.82	4.20	41,523

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.44	2.99	0.01	0.01	0.01	873
2042	0.27	2.00	5.71	0.02	0.06	0.06	2,481
2043	0.29	3.33	6.69	0.03	0.09	0.09	4,287
2044	0.18	2.50	5.20	0.02	0.07	0.06	4,204
2045	0.15	1.52	4.51	0.02	0.05	0.05	3,555
2046	0.27	0.89	5.97	0.03	0.04	0.04	3,414
2047	0.34	0.85	6.48	0.03	0.04	0.04	3,278
2048	0.41	1.09	7.10	0.03	0.05	0.04	3,481
2049	0.03	0.10	0.97	0.01	0.00	0.00	539
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.05	12.73	45.62	0.20	0.41	0.39	26,111

Section 2 with MSF

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.36	3.77	8.01	0.05	1.57	0.73	5,110
2043	0.65	12.31	12.09	0.09	3.87	1.45	11,351
2044	0.43	7.85	10.51	0.07	2.46	1.01	9,415
2045	0.34	3.90	9.76	0.06	1.43	0.66	6,681
2046	0.61	4.28	13.01	0.07	1.52	0.67	7,916
2047	0.39	1.62	6.96	0.03	0.66	0.33	3,730
2048	0.08	0.15	1.24	0.01	0.11	0.06	601
2049	0.00	0.00	0.09	0.00	0.00	0.00	36
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.96	34.55	64.11	0.39	12.11	5.20	45,777

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.81	6.45	0.03	0.06	0.05	3,282
2043	0.39	4.10	8.41	0.03	0.11	0.11	4,918
2044	0.27	3.15	7.48	0.03	0.08	0.08	5,314
2045	0.26	1.60	7.61	0.03	0.05	0.05	4,343
2046	0.52	1.75	10.58	0.05	0.06	0.06	5,224
2047	0.36	0.97	5.78	0.03	0.04	0.04	2,725
2048	0.07	0.13	0.81	0.00	0.01	0.01	404
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	2.27	13.91	49.24	0.21	0.42	0.40	26,847

Section 1 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.28	1
2042	0.00	0.02	0.01	0.00	1.12	0.67	5
2043	0.00	0.04	0.02	0.00	1.28	0.74	10
2044	0.00	0.04	0.02	0.00	0.77	0.43	11
2045	0.00	0.02	0.01	0.00	0.53	0.31	5
2046	0.00	0.01	0.01	0.00	0.33	0.19	3
2047	0.00	0.01	0.01	0.00	0.33	0.20	3
2048	0.00	0.01	0.00	0.00	0.51	0.33	3
2049	0.00	0.00	0.00	0.00	0.02	0.01	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.15	0.07	0.00	5.31	3.17	41

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.44	0.13	0.00	0.10	0.02	323
2042	0.07	2.12	0.61	0.01	0.51	0.08	1,567
2043	0.13	4.13	1.17	0.03	1.01	0.15	3,067
2044	0.13	4.45	1.22	0.03	1.09	0.16	3,284
2045	0.05	1.81	0.50	0.01	0.45	0.07	1,367
2046	0.03	1.14	0.31	0.01	0.31	0.04	946
2047	0.03	1.09	0.29	0.01	0.31	0.04	940
2048	0.01	0.18	0.06	0.00	0.10	0.01	319
2049	0.00	0.01	0.00	0.00	0.01	0.00	28
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.46	15.37	4.28	0.11	3.89	0.56	11,840

Section 2 with MSF

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.02	0.59	5
2043	0.00	0.08	0.04	0.00	1.78	1.05	20
2044	0.00	0.04	0.02	0.00	1.20	0.75	11
2045	0.00	0.02	0.01	0.00	0.77	0.51	6
2046	0.00	0.02	0.01	0.00	0.76	0.51	7
2047	0.00	0.01	0.00	0.00	0.40	0.26	2
2048	0.00	0.00	0.00	0.00	0.08	0.05	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.01	0.19	0.09	0.00	6.44	4.00	51

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.06	1.91	0.55	0.01	0.47	0.07	1,436
2043	0.24	8.09	2.26	0.05	1.95	0.29	5,873
2044	0.14	4.59	1.27	0.03	1.13	0.17	3,409
2045	0.06	2.24	0.60	0.02	0.57	0.08	1,733
2046	0.07	2.45	0.66	0.02	0.66	0.09	1,995
2047	0.02	0.62	0.17	0.01	0.20	0.03	607
2048	0.00	0.01	0.00	0.00	0.01	0.00	31
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.60	20.14	5.58	0.14	5.04	0.73	15,284

Section 1 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.03	0.80	0.00	0.02	0.01	310
2043	0.01	0.04	1.19	0.00	0.03	0.01	463
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.01	0.05	1.34	0.01	0.03	0.01	523
2046	0.01	0.04	1.24	0.00	0.03	0.01	486
2047	0.01	0.04	1.14	0.00	0.03	0.01	447
2048	0.01	0.04	1.14	0.00	0.03	0.01	448
2049	0.00	0.01	0.31	0.00	0.01	0.00	124
2050	0.00	0.01	0.20	0.00	0.00	0.00	78
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.08	0.31	9.03	0.03	0.21	0.08	3,530

Section 2 with MSF

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.05	1.39	0.01	0.03	0.01	541
2044	0.02	0.06	1.74	0.01	0.04	0.01	680
2045	0.01	0.05	1.53	0.01	0.03	0.01	600
2046	0.02	0.06	1.76	0.01	0.04	0.02	690
2047	0.01	0.03	1.01	0.00	0.02	0.01	396
2048	0.00	0.01	0.42	0.00	0.01	0.00	166
2049	0.00	0.00	0.09	0.00	0.00	0.00	36
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF (US Tons)	0.09	0.31	9.20	0.04	0.21	0.08	3,596

Section 2 with MSF and HB Option

Addition of the Hollywood Bowl Option changes Hollywood/Highland from a terminus station to an intermediate station and adds a new Hollywood Bowl terminus station. In order to capture both changes, emissions have been estimated separately for Section 2 with the MSF and Hollywood Bowl Option (accounting for concurrent construction).

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.75	2.78	0.01	0.53	0.31	1,057
2042	0.52	5.51	11.45	0.06	2.21	1.03	6,962
2043	0.38	7.85	6.84	0.05	2.22	0.87	5,836
2044	0.35	5.14	6.94	0.04	1.13	0.36	5,869
2045	1.43	12.83	26.33	0.12	3.12	1.44	16,537
2046	0.79	5.70	18.47	0.08	1.39	0.70	11,003
2047	1.05	6.82	22.22	0.10	1.91	0.92	12,673
2048	0.76	4.32	16.11	0.08	1.37	0.70	8,923
2049	0.07	0.37	2.10	0.01	0.19	0.09	1,134
2050	0.00	0.01	0.25	0.00	0.01	0.00	98
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	5.49	49.29	113.49	0.56	14.09	6.42	70,092

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.45	2.40	0.01	0.01	0.01	710
2042	0.43	2.80	9.25	0.04	0.08	0.08	4,414
2043	0.24	3.48	4.87	0.02	0.09	0.08	2,486
2044	0.26	2.30	5.21	0.02	0.05	0.05	3,366
2045	1.28	8.56	22.15	0.08	0.18	0.17	12,048
2046	0.71	3.97	15.73	0.06	0.09	0.09	8,679
2047	0.96	4.41	18.77	0.07	0.11	0.11	9,545
2048	0.70	3.03	13.63	0.06	0.09	0.08	6,888
2049	0.06	0.20	1.55	0.01	0.01	0.01	787
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	4.77	29.20	93.56	0.37	0.71	0.67	48,925

Section 2 with MSF and HB Option

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.44	0.28	1
2042	0.00	0.02	0.01	0.00	1.45	0.84	7
2043	0.00	0.04	0.02	0.00	1.11	0.64	10
2044	0.00	0.03	0.01	0.00	0.36	0.21	7
2045	0.00	0.04	0.02	0.00	1.79	1.10	11
2046	0.00	0.02	0.01	0.00	0.79	0.52	5
2047	0.00	0.02	0.01	0.00	1.07	0.69	7
2048	0.00	0.01	0.01	0.00	0.85	0.55	4
2049	0.00	0.00	0.00	0.00	0.13	0.07	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.01	0.18	0.09	0.00	7.98	4.91	51

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.29	0.08	0.00	0.07	0.01	233
2042	0.08	2.63	0.76	0.02	0.64	0.09	1,987
2043	0.13	4.30	1.22	0.03	1.01	0.15	3,057
2044	0.08	2.78	0.76	0.02	0.70	0.10	2,123
2045	0.12	4.13	1.13	0.03	1.08	0.15	3,291
2046	0.05	1.63	0.44	0.01	0.46	0.06	1,425
2047	0.07	2.30	0.61	0.02	0.66	0.09	2,010
2048	0.04	1.21	0.33	0.01	0.39	0.05	1,186
2049	0.00	0.15	0.04	0.00	0.05	0.01	143
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.58	19.41	5.38	0.14	5.07	0.73	15,455

Section 2 with MSF and HB Option

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.29	0.00	0.01	0.00	113
2042	0.01	0.05	1.43	0.01	0.03	0.01	555
2043	0.01	0.03	0.73	0.00	0.02	0.01	283
2044	0.01	0.03	0.95	0.00	0.02	0.01	372
2045	0.03	0.10	3.03	0.01	0.07	0.03	1,186
2046	0.02	0.08	2.28	0.01	0.05	0.02	895
2047	0.03	0.09	2.83	0.01	0.06	0.02	1,110
2048	0.02	0.07	2.15	0.01	0.05	0.02	844
2049	0.00	0.02	0.52	0.00	0.01	0.00	204
2050	0.00	0.01	0.25	0.00	0.01	0.00	98
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Section with MSF & HB Option (US Tons)	0.13	0.49	14.46	0.06	0.33	0.12	5,661

K LINE NORTHERN EXTENSION - LB Alternative: MSF Only
Total Annual Emissions

- Analysis assumes Alignment Sections would be built sequentially, not concurrently, therefore emissions have been presented separately. If concurrent construction is expected, further analysis will be needed to determine air quality and greenhouse gas combined impacts.
- This tab shows emissions associated with MSF construction only. MSF construction would occur concurrently with construction of Alignment Sections 1 and 2, therefore emissions will be considered together when determining impacts.
- As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

MSF Concurrent with Section 1

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.01	0.08	0.20	0.00	0.05	0.03	101
2048	0.05	0.42	1.30	0.01	0.25	0.16	648
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.07	0.51	1.57	0.01	0.30	0.19	778

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.01	0.04	0.16	0.00	0.00	0.00	59
2048	0.05	0.30	1.11	0.00	0.01	0.01	478
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.06	0.34	1.26	0.00	0.01	0.01	537

MSF Concurrent with Section 2

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.11	1.07	1.57	0.01	0.53	0.26	1,036
2044	0.14	1.24	2.93	0.01	0.64	0.37	1,615
2045	0.10	0.83	3.10	0.01	0.45	0.32	1,498
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,498
2047	0.04	0.34	1.27	0.01	0.19	0.13	617
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.48	4.31	12.05	0.06	2.26	1.41	6,298

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.09	0.31	1.19	0.00	0.01	0.01	444
2044	0.11	0.65	2.44	0.01	0.01	0.01	1,043
	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.04	0.31	1.13	0.00	0.01	0.00	519
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.42	2.74	10.19	0.04	0.05	0.05	4,496

MSF Concurrent with Section 1

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.04	0.03	0
2048	0.00	0.00	0.00	0.00	0.20	0.15	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.00	0.00	0.00	0.24	0.18	0

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.04	0.01	0.00	0.01	0.00	30
2048	0.00	0.12	0.03	0.00	0.03	0.00	105
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.16	0.04	0.00	0.04	0.01	135

MSF Concurrent with Section 2

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.01	0.00	0.00	0.34	0.23	2
2044	0.00	0.01	0.00	0.00	0.48	0.34	1
2045	0.00	0.00	0.00	0.00	0.40	0.30	0
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.17	0.13	0
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.01	0.00	1.78	1.29	4

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.02	0.74	0.21	0.00	0.18	0.03	526
2044	0.02	0.58	0.16	0.00	0.14	0.02	441
2045	0.00	0.08	0.03	0.00	0.03	0.00	112
2046	0.00	0.08	0.03	0.00	0.03	0.00	112
2047	0.00	0.03	0.01	0.00	0.01	0.00	47
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.05	1.51	0.43	0.01	0.40	0.06	1,239

MSF Concurrent with Section 1

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.03	0.00	0.00	0.00	13
2048	0.00	0.01	0.16	0.00	0.00	0.00	64
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.27	0.00	0.01	0.00	105

MSF Concurrent with Section 2

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.01	0.17	0.00	0.00	0.00	64
2044	0.00	0.01	0.33	0.00	0.01	0.00	128
2045	0.00	0.01	0.36	0.00	0.01	0.00	140
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.00	0.13	0.00	0.00	0.00	51
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.01	0.05	1.43	0.01	0.03	0.01	559

MSF Concurrent with Section 2 and HB Option

Total Tons

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.03	0.30	0.46	0.00	0.15	0.08	302
2045	0.17	1.65	2.74	0.02	0.83	0.43	1,723
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2048	0.08	0.69	2.58	0.01	0.38	0.27	1,244
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.48	4.29	12.09	0.06	2.27	1.41	6,306

Construction Equipment

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.02	0.09	0.34	0.00	0.00	0.00	127
2045	0.14	0.57	2.16	0.01	0.01	0.01	842
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.08	0.61	2.26	0.01	0.01	0.01	1,037
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.42	2.74	10.19	0.04	0.05	0.05	4,496

MSF Concurrent with Section 2 and HB Option

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.10	0.07	0
2045	0.00	0.01	0.00	0.00	0.55	0.38	3
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.33	0.25	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.00	0.01	0.01	0.00	1.78	1.29	4

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.01	0.21	0.06	0.00	0.05	0.01	149
2045	0.03	1.06	0.29	0.01	0.26	0.04	764
2046	0.00	0.08	0.02	0.00	0.03	0.00	110
2047	0.00	0.08	0.02	0.00	0.03	0.00	110
2048	0.00	0.07	0.02	0.00	0.03	0.00	92
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.04	1.49	0.41	0.01	0.40	0.06	1,225

MSF Concurrent with Section 2 and HB Option

Worker Commute Trips

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.07	0.00	0.00	0.00	26
2045	0.00	0.01	0.29	0.00	0.01	0.00	115
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.29	0.00	0.01	0.00	115
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.01	0.05	1.48	0.01	0.03	0.01	582

SCAQMD LSTs

Source Receptor Area	Site Size (Acres)	Receptor Distance (m)	(lbs/day)			
			NO_x	CO	PM_{10}	$PM_{2.5}$
2 (Northwest Coastal Los Angeles County)	≤1	25	103	562	4	3
		50	104	833	12	4
		100	121	1,233	27	8
		200	156	2,367	57	18
		500	245	7,724	146	77
	2	25	147	827	6	4
		50	143	1,213	19	5
		100	156	1,695	34	10
		200	186	2,961	64	21
		500	262	8,446	154	82
	3[a]	25	172	1,062	8	5
		50	166	1,470	26	6
		100	179	2,051	41	11
		200	207	3,435	71	24
		500	279	9,120	161	86
	4[a]	25	196	1,296	11	5
		50	189	1,728	33	7
		100	203	2,406	48	13
		200	229	3,909	77	26
		500	295	9,793	167	91
	5	25	221	1,531	13	6
		50	212	1,985	40	8
		100	226	2,762	55	14
		200	250	4,383	84	29
		500	312	10,467	174	95

Source: SCAQMD. 2009. Final Localized Significance Threshold Methodology. October. Available at: https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook/localized-significance-thresholds. Appendix C.

[a] Interpolated from 2 acre and 5 acre LSTs. SCAQMD 3-acre and 4-acre Example projects showed this approach.

K LINE NORTHERN EXTENSION - Section 1 FF and SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.43	2.93	0.01	0.01	0.01	837
2042	0.26	2.00	5.66	0.02	0.06	0.06	2,446
2043	0.29	3.32	6.67	0.03	0.09	0.09	4,278
2044	0.19	2.53	5.27	0.02	0.07	0.07	4,280
2045	0.17	2.00	5.32	0.02	0.06	0.06	4,342
2046	0.26	1.02	6.03	0.03	0.04	0.04	3,658
2047	0.33	0.82	6.40	0.03	0.04	0.04	3,263
2048	0.42	1.07	7.04	0.03	0.05	0.04	3,431
2049	0.09	0.36	2.60	0.01	0.01	0.01	1,386
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.28	1
2042	0.00	0.02	0.01	0.00	1.12	0.67	5
2043	0.00	0.04	0.02	0.00	1.25	0.77	10
2044	0.00	0.05	0.02	0.00	1.01	0.52	12
2045	0.00	0.02	0.01	0.00	0.65	0.35	6
2046	0.00	0.01	0.00	0.00	0.41	0.24	3
2047	0.00	0.01	0.01	0.00	0.35	0.22	4
2048	0.00	0.01	0.00	0.00	0.51	0.33	3
2049	0.00	0.00	0.00	0.00	0.12	0.08	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.44	0.13	0.00	0.10	0.02	323
2042	0.07	2.10	0.61	0.01	0.51	0.08	1,567
2043	0.13	3.95	1.17	0.03	1.01	0.15	3,066
2044	0.14	4.73	1.31	0.03	1.17	0.17	3,517
2045	0.07	2.35	0.66	0.02	0.61	0.09	1,829
2046	0.03	1.07	0.29	0.01	0.29	0.04	891
2047	0.04	1.36	0.36	0.01	0.38	0.05	1,133
2048	0.03	0.99	0.26	0.01	0.29	0.04	890
2049	0.00	0.04	0.01	0.00	0.03	0.00	90
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Worker Commute Trips (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.03	0.80	0.00	0.02	0.01	310
2043	0.01	0.04	1.19	0.00	0.03	0.01	463
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.01	0.05	1.47	0.01	0.03	0.01	574
2046	0.01	0.05	1.40	0.01	0.03	0.01	550
2047	0.01	0.03	1.04	0.00	0.02	0.01	408
2048	0.01	0.04	1.20	0.00	0.03	0.01	473
2049	0.00	0.02	0.52	0.00	0.01	0.00	204
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.89	3.39	0.01	0.54	0.31	1,287
2042	0.34	4.15	7.08	0.04	1.71	0.81	4,327
2043	0.43	7.35	9.05	0.06	2.38	1.02	7,817
2044	0.34	7.36	7.94	0.06	2.28	0.77	8,335
2045	0.26	4.43	7.46	0.05	1.35	0.51	6,751
2046	0.31	2.15	7.73	0.04	0.78	0.34	5,102
2047	0.38	2.23	7.80	0.04	0.79	0.31	4,808
2048	0.46	2.11	8.51	0.04	0.88	0.43	4,797
2049	0.10	0.41	3.13	0.02	0.17	0.10	1,679
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.04	0.00	0.00	0.00	16
Total for Project (US Tons)	2.73	31.07	62.39	0.37	10.87	4.60	45,021
BTUs							
CO2e (tons)							45,426
CO2 (metric tons)							40,843
CO2e (metric tons)							41,210

K LINE NORTHERN EXTENSION - Section 1 FF and SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	22	0	0	0
2042	2	15	43	0	0	0
2043	2	25	51	0	1	1
2044	1	19	40	0	1	1
2045	1	15	41	0	0	0
2046	2	8	46	0	0	0
2047	3	6	49	0	0	0
2048	3	8	54	0	0	0
2049	1	3	20	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*25*	*54*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	9	5
2043	0	0	0	0	10	6
2044	0	0	0	0	8	4
2045	0	0	0	0	5	3
2046	0	0	0	0	3	2
2047	0	0	0	0	3	2
2048	0	0	0	0	4	3
2049	0	0	0	0	1	1
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*10*	*6*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	3	1	0	1	0
2042	0	16	5	0	4	1
2043	1	30	9	0	8	1
2044	1	36	10	0	9	1
2045	1	18	5	0	5	1
2046	0	8	2	0	2	0
2047	0	10	3	0	3	0
2048	0	8	2	0	2	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*36*	*10*	*0*	*9*	*1*

Worker Commute Trips (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	6	0	0	0
2043	0	0	9	0	0	0
2044	0	0	10	0	0	0
2045	0	0	11	0	0	0
2046	0	0	11	0	0	0
2047	0	0	8	0	0	0
2048	0	0	9	0	0	0
2049	0	0	4	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*11*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	7	26	0	4	2
2042	3	32	54	0	13	6
2043	3	56	69	0	18	8
2044	3	56	61	0	17	6
2045	2	34	57	0	10	4
2046	2	16	59	0	6	3
2047	3	17	60	0	6	2
2048	3	16	65	0	7	3
2049	1	3	24	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*3*	*56*	*69*	*0*	*18*	*8*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 1 FF and SVFF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.05	0.26	0.99	0.00	0.01	0.01	412
2049	0.01	0.11	0.40	0.00	0.00	0.00	180
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.00	0.00	0.00	0.20	0.15	0
2049	0.00	0.00	0.00	0.00	0.06	0.04	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.00	0.00	-
2048	0.00	0.14	0.04	0.00	0.04	0.01	117
2049	0.00	0.02	0.00	0.00	0.01	0.00	23
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Worker Commute Trips (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-
2047	-	-	-	-	-	-	-
2048	0.00	0.01	0.16	0.00	0.00	0.00	64
2049	0.00	0.00	0.10	0.00	0.00	0.00	38
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4

Total (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-
2047	-	-	-	-	-	-	-
2048	0.06	0.41	1.19	0.01	0.25	0.16	593
2049	0.01	0.13	0.50	0.00	0.07	0.05	242
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	4
Total for MSF (US Tons)	0.07	0.54	1.76	0.01	0.32	0.21	864
BTUs							
CO2e (tons)							872
CO2 (metric tons)							784
CO2e (metric tons)							791

K LINE NORTHERN EXTENSION - Section 1 FF and SVFF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	2	8	0	0	0
2049	0	1	3	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*2*	*8*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	2	1
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*2*	*1*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	1	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*0*	*0*

Worker Commute Trips (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	1	0	0	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*1*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	3	9	0	2	1
2049	0	1	4	0	1	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*0*	*3*	*9*	*0*	*2*	*1*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.2150	0.2150	0.2150	0.2150	0.2150	0.2150	0.2150	0.2888	0.3943	0.3943
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0130	0.0078	0.0078
	Total	0.0000	0.0000	0.2277	0.2277	0.2277	0.2277	0.2277	0.2277	0.2277	0.3020	0.4023	0.4023
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0704	0.0704	0.0704	0.0704	0.0704
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0731	0.0731	0.0731	0.0731	0.0731
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.2150	0.2150	0.2150	0.2150	0.2150	0.2854	0.2854	0.3592	0.4647	0.4647
TOTALS	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0125	0.0125	0.0125	0.0125	0.0125	0.0151	0.0151	0.0156	0.0104	0.0104
0.7417	Total	0.000	0.000	0.228	0.228	0.228	0.228	0.228	0.301	0.301	0.375	0.475	0.475
YEARLY TOTALS		3.066											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0673	0.0673	0.0673
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0728	0.0728	0.0728
MC	Equipment	0.3943	0.4237	0.2104	0.2104	0.2104	0.1366	0.1366	0.1702	0.1366	0.1366	0.1366	0.1366
	Activity	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0078	0.0083	0.0412	0.0412	0.0412	0.0407	0.0407	0.0411	0.0407	0.0407	0.0407	0.0407
	Total	0.4023	0.4322	0.2523	0.2523	0.2523	0.1780	0.1780	0.2120	0.1780	0.1780	0.1780	0.1780
CA	Equipment	0.0704	0.0847	0.0847	0.0847	0.0847	0.4305	0.4305	0.4305	0.4893	0.0589	0.1262	0.1262
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0010	0.0010
	Hauling	0.0026	0.0005	0.0005	0.0005	0.0005	0.0076	0.0076	0.0076	0.0085	0.0009	0.0612	0.0612
	Total	0.0731	0.0852	0.0852	0.0852	0.0852	0.4382	0.4382	0.4382	0.4980	0.0598	0.1884	0.1884
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0645	0.0645	0.0645	0.0645	0.0880	0.0880	0.0880
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	0.0657	0.0657	0.0657	0.0885	0.0885	0.0885
All Areas	Equipment	0.4647	0.5084	0.2951	0.2951	0.2951	0.6316	0.6316	0.6652	0.6905	0.3508	0.4181	0.4181
TOTALS	Activity	0.0002	0.0001	0.0007	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008	0.0008	0.0017	0.0017
	Hauling	0.0104	0.0088	0.0417	0.0417	0.0417	0.0495	0.0495	0.0499	0.0504	0.0476	0.1079	0.1079
0.7417	Total	0.475	0.517	0.337	0.337	0.337	0.682	0.682	0.716	0.742	0.399	0.528	0.528
YEARLY TOTALS		6.281											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0673	0.0673	0.0888	0.0888	0.0888	0.0888	0.0888	0.0888	0.0888	0.3943	0.3943	0.3943
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005
	Hauling	0.0054	0.0054	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0300	0.0300	0.0300
	Total	0.0728	0.0728	0.0892	0.0892	0.0892	0.0892	0.0892	0.0892	0.0892	0.4248	0.4248	0.4248
MC	Equipment	0.1366	0.1366	0.1635	0.1635	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447
	Activity	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0407	0.0407	0.0409	0.0409	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600
	Total	0.1780	0.1780	0.2050	0.2050	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057
CA	Equipment	0.1262	0.1262	0.1262	0.1262	0.1262	0.1262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1884	0.1884	0.1884	0.1884	0.1884	0.1884	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.2815	0.2815	0.1215	0.1215	0.1215	0.1215	0.1215	0.1215	0.1215	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0065	0.0065	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000
	Total	0.2881	0.2881	0.1276	0.1276	0.1276	0.1276	0.1276	0.1276	0.1276	0.0000	0.0000	0.0000
All Areas	Equipment	0.6116	0.6116	0.4999	0.4999	0.5812	0.5812	0.4550	0.4550	0.4550	0.6390	0.6390	0.6390
TOTALS	Activity	0.0018	0.0018	0.0018	0.0018	0.0021	0.0021	0.0011	0.0011	0.0011	0.0015	0.0015	0.0015
	Hauling	0.1139	0.1139	0.1085	0.1085	0.1276	0.1276	0.0664	0.0664	0.0664	0.0900	0.0900	0.0900
0.7417	Total	0.727	0.727	0.610	0.610	0.711	0.711	0.522	0.522	0.522	0.730	0.730	0.730
YEARLY TOTALS		7.856											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.3943	0.3943	0.3497	0.0442	0.0442	0.1227	0.1227	0.1227	0.1227	0.1227	0.1227	0.1227
	Activity	0.0005	0.0005	0.0005	0.0000	0.0000	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Hauling	0.0300	0.0300	0.0302	0.0006	0.0006	0.1053	0.1053	0.1053	0.1053	0.1053	0.1053	0.1053
	Total	0.4248	0.4248	0.3803	0.0448	0.0448	0.2298	0.2298	0.229841	0.2298	0.2298	0.2298	0.2298
MC	Equipment	0.2447	0.2447	0.2447	0.0000	0.0000	0.0868	0.3065	0.3065	0.3065	0.3065	0.3065	0.3065
	Activity	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0600	0.0600	0.0600	0.0000	0.0000	0.0015	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479
	Total	0.3057	0.3057	0.3057	0.0000	0.0000	0.0884	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0731	0.0731	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.0000	0.0000	0.0000	0.0745	0.0745	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547
All Areas	Equipment	0.6390	0.6390	0.5944	0.1173	0.1173	0.2629	0.4826	0.4826	0.4826	0.4826	0.4826	0.4826
TOTALS	Activity	0.0015	0.0015	0.0015	0.0000	0.0000	0.0019	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
	Hauling	0.0900	0.0900	0.0901	0.0020	0.0020	0.1081	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545
0.7417	Total	0.730	0.730	0.686	0.119	0.119	0.373	0.640	0.640	0.6397	0.6397	0.640	0.640
YEARLY TOTALS		6.597											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.1227	0.1227	0.0000	0.0000	0.0000	0.0000	0.0000	0.0553	0.0553	0.0553	0.0553	0.0553
	Activity	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1053	0.1053	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052	0.0052	0.0052	0.0052	0.0052
	Total	0.2298	0.2298	0.0000	0.0000	0.0000	0.0000	0.0000	0.0607	0.0607	0.0607	0.0607	0.0607
MC	Equipment	0.3065	0.3065	0.3065	0.3065	0.3065	0.3065	0.5124	0.2525	0.2525	0.2525	0.2525	0.2525
	Activity	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0487	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.3552	0.3552	0.3552	0.3552	0.3552	0.3552	0.5619	0.2546	0.2546	0.2546	0.2546	0.2546
CA	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559
CE	Equipment	0.0406	0.0406	0.0406	0.0780	0.0780	0.0829	0.0735	0.0735	0.0328	0.0328	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0078	0.0078	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000
	Total	0.0408	0.0408	0.0408	0.0860	0.0860	0.0833	0.0738	0.0738	0.0329	0.0329	0.0000	0.0000
All Areas	Equipment	0.5207	0.5207	0.3980	0.4353	0.4353	0.4403	0.6368	0.4322	0.3916	0.3916	0.3587	0.3587
TOTALS	Activity	0.0027	0.0027	0.0009	0.0010	0.0010	0.0009	0.0009	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.1583	0.1583	0.0530	0.0607	0.0607	0.0532	0.0539	0.0125	0.0123	0.0123	0.0123	0.0123
0.7417	Total	0.682	0.682	0.452	0.497	0.497	0.494	0.692	0.445	0.404	0.404	0.371	0.371
YEARLY TOTALS		5.991											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553	0.0553
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
	Total	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607	0.0607
MC	Equipment	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.2525	0.3046	0.2580	0.2580	0.2580
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0069	0.0055	0.0055	0.0055
	Total	0.2546	0.2546	0.2546	0.2546	0.2546	0.2546	0.2546	0.2546	0.3115	0.2637	0.2637	0.2637
CA	Equipment	0.0509	0.0509	0.1837	0.1837	0.1837	0.1837	0.1837	0.1837	0.3228	0.3228	0.2100	0.2100
	Activity	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0050	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0020	0.0020	0.0013	0.0013
	Total	0.0559	0.0559	0.2123	0.2123	0.2123	0.2123	0.2123	0.2123	0.3248	0.3248	0.2113	0.2113
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3587	0.3587	0.4916	0.4916	0.4916	0.4916	0.4916	0.4916	0.6827	0.6362	0.5234	0.5234
TOTALS	Activity	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0123	0.0123	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0141	0.0128	0.0120	0.0120
0.7417	Total	0.371	0.371	0.528	0.528	0.528	0.528	0.528	0.528	0.697	0.649	0.536	0.536
YEARLY TOTALS		6.326											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.1955	0.3588	0.3100	0.3100
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000
	Hauling	0.0283	0.0283	0.0283	0.0283	0.0283	0.0283	0.0283	0.0283	0.0283	0.0291	0.0018	0.0018
	Total	0.2243	0.2243	0.2243	0.2243	0.2243	0.2243	0.2243	0.2243	0.2243	0.3885	0.3119	0.3119
MC	Equipment	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580	0.2580
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
	Total	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637	0.2637
CA	Equipment	0.2100	0.2100	0.0726	0.0726	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2113	0.2113	0.0728	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6635	0.6635	0.5261	0.5261	0.4535	0.4535	0.4535	0.4535	0.4535	0.6168	0.5680	0.5680
TOTALS	Activity	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0001	0.0001
	Hauling	0.0351	0.0351	0.0341	0.0341	0.0338	0.0338	0.0338	0.0338	0.0338	0.0347	0.0074	0.0074
0.7417	Total	0.699	0.699	0.561	0.561	0.488	0.488	0.488	0.488	0.488	0.652	0.576	0.576
YEARLY TOTALS		6.763											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.2254	0.2254	0.2254	0.0788	0.0788	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2267	0.2267	0.2267	0.0791	0.0791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.3876	0.3876	0.3876	0.3876	0.3876	0.3876	0.4823	0.4823	0.4823	0.4823	0.4823	0.4823
	Activity	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0346	0.0346	0.0346	0.0346	0.0346	0.0346	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.4228	0.4228	0.4228	0.4228	0.4228	0.4228	0.4845	0.4845	0.4845	0.4845	0.4845	0.4845
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6130	0.6130	0.6130	0.5587	0.5587	0.4799	0.5746	0.5746	0.6140	0.6140	0.6140	0.6140
TOTALS	Activity	0.0006	0.0006	0.0006	0.0007	0.0007	0.0007	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0359	0.0359	0.0359	0.0409	0.0409	0.0406	0.0082	0.0082	0.0038	0.0038	0.0038	0.0038
0.7417	Total	0.650	0.650	0.650	0.600	0.600	0.521	0.583	0.583	0.618	0.618	0.618	0.618
YEARLY TOTALS		7.308											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.4823	0.3473	0.3473	0.2060	0.2060	0.2060	0.2060	0.2060	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0013	0.0013	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
	Total	0.4845	0.3486	0.3486	0.2067	0.2067	0.2067	0.2067	0.2067	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6140	0.4790	0.4790	0.2060	0.2060	0.2060	0.2060	0.2060	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0038	0.0029	0.0029	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
0.7417	Total	0.618	0.482	0.482	0.207	0.207	0.207	0.207	0.207	0.000	0.000	0.000	0.000
YEARLY TOTALS		2.615											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4885	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0490	0.0647	0.0647
	Activity	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0441	0.0263	0.0263
0.39	Total	0.0000	0.0000	0.0729	0.0729	0.0729	0.0729	0.0729	0.0729	0.0729	0.0935	0.0913	0.0913
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0295	0.0295	0.0295	0.0295	0.0295	0.0392	0.0392	0.0587	0.0744	0.0744
TOTALS	Activity	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0003	0.0003
	Hauling	0.0000	0.0000	0.0430	0.0430	0.0430	0.0430	0.0430	0.0519	0.0519	0.0530	0.0352	0.0352
0.8827	Total	0.000	0.000	0.073	0.073	0.073	0.073	0.073	0.092	0.092	0.112	0.110	0.110
YEARLY TOTALS		0.880											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092	0.0092	0.0092
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0190	0.0190	0.0190
0.4885	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0284	0.0284	0.0284
MC	Equipment	0.0647	0.0688	0.1271	0.1271	0.1271	0.1076	0.1076	0.1105	0.1076	0.1076	0.1076	0.1076
	Activity	0.0002	0.0003	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	Hauling	0.0263	0.0274	0.1442	0.1442	0.1442	0.1432	0.1432	0.1440	0.1432	0.1432	0.1432	0.1432
0.39	Total	0.0913	0.0964	0.2727	0.2727	0.2727	0.2522	0.2522	0.2559	0.2522	0.2522	0.2522	0.2522
CA	Equipment	0.0097	0.0224	0.0224	0.0224	0.0224	0.0701	0.0701	0.0701	0.0782	0.0080	0.0994	0.0994
	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0020	0.0020
	Hauling	0.0089	0.0011	0.0011	0.0011	0.0011	0.0261	0.0261	0.0261	0.0283	0.0022	0.2152	0.2152
	Total	0.0187	0.0235	0.0235	0.0235	0.0235	0.0965	0.0965	0.0965	0.1068	0.0103	0.3166	0.3166
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0232	0.0232	0.0232
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0233	0.0233	0.0233
All Areas	Equipment	0.0744	0.0911	0.1495	0.1495	0.1495	0.1866	0.1866	0.1895	0.1947	0.1481	0.2395	0.2395
TOTALS	Activity	0.0003	0.0003	0.0014	0.0014	0.0014	0.0016	0.0016	0.0016	0.0017	0.0016	0.0036	0.0036
	Hauling	0.0352	0.0286	0.1454	0.1454	0.1454	0.1695	0.1695	0.1703	0.1716	0.1644	0.3774	0.3774
0.8827	Total	0.110	0.120	0.296	0.296	0.296	0.358	0.358	0.361	0.368	0.314	0.620	0.620
YEARLY TOTALS		4.118											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0092	0.0092	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0681	0.0681	0.0681
	Activity	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010
	Hauling	0.0190	0.0190	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.1069	0.1069	0.1069
0.4885	Total	0.0284	0.0284	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.1761	0.1761	0.1761
MC	Equipment	0.1076	0.1076	0.1099	0.1099	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421
	Activity	0.0014	0.0014	0.0014	0.0014	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Hauling	0.1432	0.1432	0.1435	0.1435	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136
0.39	Total	0.2522	0.2522	0.2548	0.2548	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577
CA	Equipment	0.0994	0.0994	0.0994	0.0994	0.0994	0.0994	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2152	0.2152	0.2152	0.2152	0.2152	0.2152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3166	0.3166	0.3166	0.3166	0.3166	0.3166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0482	0.0482	0.0958	0.0958	0.0958	0.0958	0.0958	0.0958	0.0958	0.0000	0.0000	0.0000
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Total	0.0491	0.0491	0.0966	0.0966	0.0966	0.0966	0.0966	0.0966	0.0966	0.0000	0.0000	0.0000
All Areas	Equipment	0.2644	0.2644	0.3285	0.3285	0.3607	0.3607	0.2613	0.2613	0.2613	0.2102	0.2102	0.2102
TOTALS	Activity	0.0038	0.0038	0.0036	0.0036	0.0043	0.0043	0.0022	0.0022	0.0022	0.0030	0.0030	0.0030
	Hauling	0.3780	0.3780	0.3605	0.3605	0.4305	0.4305	0.2154	0.2154	0.2154	0.3206	0.3206	0.3206
0.8827	Total	0.646	0.646	0.693	0.693	0.795	0.795	0.479	0.479	0.479	0.534	0.534	0.534
YEARLY TOTALS		7.307											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.0681	0.0681	0.0507	0.0060	0.0060	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967	0.0967
	Activity	0.0010	0.0010	0.0010	0.0000	0.0000	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
	Hauling	0.1069	0.1069	0.1073	0.0015	0.0015	0.3881	0.3881	0.3881	0.3881	0.3881	0.3881	0.3881
0.4885	Total	0.1761	0.1761	0.1590	0.0075	0.0075	0.4885	0.4885	0.4885	0.4885	0.4885	0.4885	0.4885
MC	Equipment	0.1421	0.1421	0.1421	0.0000	0.0000	0.0429	0.1904	0.1904	0.1904	0.1904	0.1904	0.1904
	Activity	0.0020	0.0020	0.0020	0.0000	0.0000	0.0001	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
	Hauling	0.2136	0.2136	0.2136	0.0000	0.0000	0.0053	0.1740	0.1740	0.1740	0.1740	0.1740	0.1740
0.39	Total	0.3577	0.3577	0.3577	0.0000	0.0000	0.0483	0.3661	0.3661	0.3661	0.3661	0.3661	0.3661
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0063	0.0063	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0065	0.0065	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
All Areas	Equipment	0.2102	0.2102	0.1928	0.0123	0.0123	0.1441	0.2916	0.2916	0.2916	0.2916	0.2916	0.2916
TOTALS	Activity	0.0030	0.0030	0.0030	0.0001	0.0001	0.0038	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
	Hauling	0.3206	0.3206	0.3209	0.0016	0.0016	0.3936	0.5623	0.5623	0.5623	0.5623	0.5623	0.5623
0.8827	Total	0.534	0.534	0.517	0.014	0.014	0.542	0.8594	0.8594	0.8594	0.8594	0.859	0.859
YEARLY TOTALS		7.310											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.0967	0.0967	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047	0.0047
	Activity	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.3881	0.3881	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0197	0.0197	0.0197	0.0197
0.4885	Total	0.4885	0.4885	0.0000	0.0000	0.0000	0.0000	0.0000	0.0246	0.0246	0.0246	0.0246	0.0246
MC	Equipment	0.1904	0.1904	0.1904	0.1904	0.1904	0.1904	0.2104	0.0594	0.0594	0.0594	0.0594	0.0594
	Activity	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1740	0.1740	0.1740	0.1740	0.1740	0.1740	0.1758	0.0066	0.0066	0.0066	0.0066	0.0066
0.39	Total	0.3661	0.3661	0.3661	0.3661	0.3661	0.3661	0.3878	0.0661	0.0661	0.0661	0.0661	0.0661
CA	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
	Total	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
CE	Equipment	0.0053	0.0053	0.0053	0.0123	0.0123	0.0127	0.0106	0.0106	0.0053	0.0053	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0053	0.0053	0.0053	0.0134	0.0134	0.0127	0.0107	0.0107	0.0054	0.0054	0.0000	0.0000
All Areas	Equipment	0.2967	0.2967	0.2001	0.2070	0.2070	0.2074	0.2253	0.0791	0.0738	0.0738	0.0685	0.0685
TOTALS	Activity	0.0056	0.0056	0.0018	0.0021	0.0021	0.0018	0.0018	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.5804	0.5804	0.1923	0.1931	0.1931	0.1923	0.1941	0.0446	0.0446	0.0446	0.0446	0.0446
0.8827	Total	0.883	0.883	0.394	0.402	0.402	0.402	0.421	0.1242	0.1188	0.119	0.113	0.113
YEARLY TOTALS		4.376											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197
0.4885	Total	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246	0.0246
MC	Equipment	0.0594	0.0594	0.0594	0.0594	0.0594	0.0594	0.0594	0.0594	0.0639	0.0243	0.0243	0.0243
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0251	0.0202	0.0202	0.0202
0.39	Total	0.0661	0.0661	0.0661	0.0661	0.0661	0.0661	0.0661	0.0661	0.0892	0.0448	0.0448	0.0448
CA	Equipment	0.0043	0.0043	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0521	0.0521	0.0325	0.0325
	Activity	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0183	0.0183	0.1070	0.1070	0.1070	0.1070	0.1070	0.1070	0.0047	0.0047	0.0029	0.0029
	Total	0.0227	0.0227	0.1373	0.1373	0.1373	0.1373	0.1373	0.1373	0.0568	0.0568	0.0354	0.0354
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0685	0.0685	0.0934	0.0934	0.0934	0.0934	0.0934	0.0934	0.1207	0.0811	0.0615	0.0615
TOTALS	Activity	0.0004	0.0004	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0005	0.0004	0.0004	0.0004
	Hauling	0.0446	0.0446	0.1333	0.1333	0.1333	0.1333	0.1333	0.1333	0.0495	0.0446	0.0429	0.0429
0.8827	Total	0.113	0.113	0.228	0.228	0.228	0.228	0.228	0.228	0.171	0.126	0.105	0.105
YEARLY TOTALS		2.102											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.0311	0.0311	0.0311	0.0311	0.0311	0.0311	0.0311	0.0311	0.0311	0.0587	0.0496	0.0496
	Activity	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000
	Hauling	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102	0.1102	0.1121	0.0042	0.0042
0.4885	Total	0.1424	0.1424	0.1424	0.1424	0.1424	0.1424	0.1424	0.1424	0.1424	0.1719	0.0539	0.0539
MC	Equipment	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243	0.0243
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202	0.0202
0.39	Total	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448	0.0448
CA	Equipment	0.0325	0.0325	0.0118	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0354	0.0354	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0880	0.0880	0.0673	0.0673	0.0555	0.0555	0.0555	0.0555	0.0555	0.0830	0.0739	0.0739
TOTALS	Activity	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0002	0.0002
	Hauling	0.1333	0.1333	0.1311	0.1311	0.1305	0.1305	0.1305	0.1305	0.1305	0.1324	0.0245	0.0245
0.8827	Total	0.223	0.223	0.200	0.200	0.187	0.187	0.187	0.187	0.187	0.217	0.099	0.099
YEARLY TOTALS		2.194											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.0349	0.0349	0.0349	0.0128	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0030	0.0030	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4885	Total	0.0379	0.0379	0.0379	0.0135	0.0135	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0489	0.0489	0.0489	0.0489	0.0489	0.0489	0.0632	0.0632	0.0632	0.0632	0.0632	0.0632
	Activity	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1343	0.1343	0.1343	0.1343	0.1343	0.1343	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
0.39	Total	0.1844	0.1844	0.1844	0.1844	0.1844	0.1844	0.0683	0.0683	0.0683	0.0683	0.0683	0.0683
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0838	0.0838	0.0838	0.0861	0.0861	0.0733	0.0876	0.0876	0.0989	0.0989	0.0989	0.0989
TOTALS	Activity	0.0013	0.0013	0.0013	0.0015	0.0015	0.0015	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1372	0.1372	0.1372	0.1592	0.1592	0.1585	0.0293	0.0293	0.0106	0.0106	0.0106	0.0106
0.8827	Total	0.222	0.222	0.222	0.247	0.247	0.233	0.117	0.117	0.110	0.110	0.110	0.110
YEARLY TOTALS		2.067											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4885	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0632	0.0429	0.0429	0.0199	0.0199	0.0199	0.0199	0.0199	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0051	0.0029	0.0029	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000
0.39	Total	0.0683	0.0458	0.0458	0.0217	0.0217	0.0217	0.0217	0.0217	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0989	0.0786	0.0786	0.0199	0.0199	0.0199	0.0199	0.0199	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0106	0.0085	0.0085	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000
0.8827	Total	0.110	0.087	0.087	0.022	0.022	0.022	0.022	0.022	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.392											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1762	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0013	0.0023	0.0023
	Activity	0.0000	0.0000	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0524	0.0401	0.0401
	Hauling	0.0000	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0108	0.0068	0.0068
	Total	0.0000	0.0000	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0645	0.0492	0.0492
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0128	0.0128	0.0128
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0011	0.0011	0.0016	0.0026	0.0026
TOTALS	Activity	0.0000	0.0000	0.0329	0.0329	0.0329	0.0329	0.0329	0.0434	0.0434	0.0628	0.0505	0.0505
	Hauling	0.0000	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0121	0.0121	0.0129	0.0089	0.0089
0.2735	Total	0.000	0.000	0.044	0.044	0.044	0.044	0.044	0.057	0.057	0.077	0.062	0.062
YEARLY TOTALS		0.533											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107	0.0107	0.0107
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045
0.1762	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0154	0.0154	0.0154
MC	Equipment	0.0023	0.0025	0.0037	0.0037	0.0037	0.0031	0.0031	0.0033	0.0031	0.0031	0.0031	0.0031
	Activity	0.0401	0.0401	0.0678	0.0678	0.0678	0.0483	0.0483	0.0483	0.0483	0.0483	0.0483	0.0483
	Hauling	0.0068	0.0077	0.0344	0.0344	0.0344	0.0336	0.0336	0.0343	0.0336	0.0336	0.0336	0.0336
	Total	0.0492	0.0502	0.1058	0.1058	0.1058	0.0851	0.0851	0.0859	0.0851	0.0851	0.0851	0.0851
CA	Equipment	0.0003	0.0006	0.0006	0.0006	0.0006	0.0025	0.0025	0.0025	0.0028	0.0003	0.0029	0.0029
	Activity	0.0105	0.0223	0.0223	0.0223	0.0223	0.0429	0.0429	0.0429	0.0429	0.0000	0.0454	0.0454
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0009	0.0069	0.0069	0.0069	0.0086	0.0017	0.0506	0.0506
	Total	0.0128	0.0238	0.0238	0.0238	0.0238	0.0523	0.0523	0.0523	0.0544	0.0020	0.0989	0.0989
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0093	0.0093	0.0093	0.0093	0.0216	0.0216	0.0216
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0231	0.0231	0.0231
All Areas	Equipment	0.0026	0.0030	0.0042	0.0042	0.0042	0.0059	0.0059	0.0060	0.0062	0.0043	0.0069	0.0069
TOTALS	Activity	0.0505	0.0624	0.0901	0.0901	0.0901	0.1006	0.1006	0.1006	0.1006	0.0806	0.1260	0.1260
	Hauling	0.0089	0.0086	0.0353	0.0353	0.0353	0.0415	0.0415	0.0422	0.0432	0.0408	0.0896	0.0896
0.2735	Total	0.062	0.074	0.130	0.130	0.130	0.148	0.148	0.149	0.150	0.126	0.223	0.223
YEARLY TOTALS		1.690											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0003	0.0003	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024
	Activity	0.0107	0.0107	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0445	0.0445	0.0445
	Hauling	0.0045	0.0045	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0266	0.0266	0.0266
0.1762	Total	0.0154	0.0154	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0735	0.0735	0.0735
MC	Equipment	0.0031	0.0031	0.0032	0.0032	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
	Activity	0.0483	0.0483	0.0483	0.0483	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
	Hauling	0.0336	0.0336	0.0339	0.0339	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
	Total	0.0851	0.0851	0.0855	0.0855	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721
CA	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0506	0.0506	0.0506	0.0506	0.0506	0.0506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0989	0.0989	0.0989	0.0989	0.0989	0.0989	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0016	0.0016	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000	0.0000
	Activity	0.0306	0.0306	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0000	0.0000	0.0000
	Hauling	0.0060	0.0060	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0000	0.0000	0.0000
	Total	0.0382	0.0382	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0000	0.0000	0.0000
All Areas	Equipment	0.0079	0.0079	0.0096	0.0096	0.0097	0.0097	0.0068	0.0068	0.0068	0.0058	0.0058	0.0058
TOTALS	Activity	0.1350	0.1350	0.1574	0.1574	0.1246	0.1246	0.0791	0.0791	0.0791	0.0600	0.0600	0.0600
	Hauling	0.0946	0.0946	0.0905	0.0905	0.1098	0.1098	0.0592	0.0592	0.0592	0.0798	0.0798	0.0798
0.2735	Total	0.238	0.238	0.257	0.257	0.244	0.244	0.145	0.145	0.145	0.146	0.146	0.146
YEARLY TOTALS		2.350											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.0024	0.0024	0.0020	0.0002	0.0002	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Activity	0.0445	0.0445	0.0227	0.0000	0.0000	0.0808	0.0808	0.0808	0.0808	0.0808	0.0808	0.0808
	Hauling	0.0266	0.0266	0.0270	0.0013	0.0013	0.0926	0.0926	0.0926	0.0926	0.0926	0.0926	0.0926
0.1762	Total	0.0735	0.0735	0.0517	0.0015	0.0015	0.1762	0.1762	0.1762	0.1762	0.1762	0.1762	0.1762
MC	Equipment	0.0034	0.0034	0.0034	0.0000	0.0000	0.0016	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Activity	0.0155	0.0155	0.0155	0.0000	0.0000	0.0268	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427
	Hauling	0.0532	0.0532	0.0532	0.0000	0.0000	0.0016	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443
	Total	0.0721	0.0721	0.0721	0.0000	0.0000	0.0299	0.0921	0.0921	0.0921	0.0921	0.0921	0.0921
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0013	0.0013	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0000	0.0000	0.0000	0.0015	0.0015	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
All Areas	Equipment	0.0058	0.0058	0.0054	0.0005	0.0005	0.0046	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
TOTALS	Activity	0.0600	0.0600	0.0382	0.0000	0.0000	0.1076	0.1235	0.1235	0.1235	0.1235	0.1235	0.1235
	Hauling	0.0798	0.0798	0.0802	0.0026	0.0026	0.0953	0.1381	0.1381	0.1381	0.1381	0.1381	0.1381
0.2735	Total	0.146	0.146	0.124	0.003	0.003	0.2075	0.2696	0.2696	0.2696	0.270	0.270	0.270
YEARLY TOTALS		2.246											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.0028	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0808	0.0808	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0926	0.0926	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047	0.0047
0.1762	Total	0.1762	0.1762	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0049	0.0049	0.0049	0.0049
MC	Equipment	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0058	0.0022	0.0022	0.0022	0.0022	0.0022
	Activity	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427	0.0268	0.0268	0.0268	0.0268	0.0268
	Hauling	0.0443	0.0443	0.0443	0.0443	0.0443	0.0443	0.0460	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0921	0.0921	0.0921	0.0921	0.0921	0.0921	0.0945	0.0318	0.0318	0.0318	0.0318	0.0318
CA	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
CE	Equipment	0.0003	0.0003	0.0003	0.0006	0.0006	0.0005	0.0006	0.0006	0.0003	0.0003	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0170	0.0170	0.0000	0.0048	0.0048	0.0048	0.0048	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0073	0.0073	0.0007	0.0006	0.0006	0.0002	0.0002	0.0000	0.0000
	Total	0.0007	0.0007	0.0007	0.0249	0.0249	0.0012	0.0060	0.0060	0.0053	0.0053	0.0000	0.0000
All Areas	Equipment	0.0084	0.0084	0.0055	0.0058	0.0058	0.0057	0.0066	0.0032	0.0029	0.0029	0.0026	0.0026
TOTALS	Activity	0.1235	0.1235	0.0427	0.0597	0.0597	0.0427	0.0475	0.0316	0.0316	0.0316	0.0268	0.0268
	Hauling	0.1417	0.1417	0.0491	0.0560	0.0560	0.0494	0.0509	0.0125	0.0121	0.0121	0.0119	0.0119
0.2735	Total	0.274	0.274	0.097	0.121	0.121	0.098	0.1050	0.0473	0.047	0.047	0.041	0.041
YEARLY TOTALS		1.313											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
0.1762	Total	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
MC	Equipment	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0024	0.0009	0.0009	0.0009
	Activity	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0073	0.0061	0.0061	0.0061
	Total	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0364	0.0071	0.0071	0.0071
CA	Equipment	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0024	0.0024	0.0019	0.0019
	Activity	0.0000	0.0000	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0107	0.0107	0.0107	0.0107
	Hauling	0.0044	0.0044	0.0275	0.0275	0.0275	0.0275	0.0275	0.0275	0.0046	0.0046	0.0028	0.0028
	Total	0.0045	0.0045	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0177	0.0177	0.0154	0.0154
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0026	0.0026	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0050	0.0035	0.0030	0.0030
TOTALS	Activity	0.0268	0.0268	0.0482	0.0482	0.0482	0.0482	0.0482	0.0482	0.0374	0.0107	0.0107	0.0107
	Hauling	0.0119	0.0119	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350	0.0166	0.0154	0.0137	0.0137
0.2735	Total	0.041	0.041	0.087	0.087	0.087	0.087	0.087	0.087	0.059	0.030	0.027	0.027
YEARLY TOTALS		0.749											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0028	0.0024	0.0024
	Activity	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0384	0.0108	0.0108
	Hauling	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0304	0.0043	0.0043
0.1762	Total	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0577	0.0716	0.0176	0.0176
MC	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Total	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071
CA	Equipment	0.0019	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0107	0.0107	0.0107	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0154	0.0154	0.0119	0.0119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0045	0.0045	0.0033	0.0033	0.0026	0.0026	0.0026	0.0026	0.0026	0.0037	0.0034	0.0034
TOTALS	Activity	0.0383	0.0383	0.0383	0.0383	0.0276	0.0276	0.0276	0.0276	0.0276	0.0384	0.0108	0.0108
	Hauling	0.0374	0.0374	0.0352	0.0352	0.0346	0.0346	0.0346	0.0346	0.0346	0.0366	0.0105	0.0105
0.2735	Total	0.080	0.080	0.077	0.077	0.065	0.065	0.065	0.065	0.065	0.079	0.025	0.025
YEARLY TOTALS		0.766											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.0020	0.0020	0.0020	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0108	0.0108	0.0108	0.0108	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0030	0.0030	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1762	Total	0.0159	0.0159	0.0159	0.0122	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
	Activity	0.0218	0.0218	0.0218	0.0218	0.0218	0.0218	0.0207	0.0207	0.0207	0.0207	0.0207	0.0207
	Hauling	0.0354	0.0354	0.0354	0.0354	0.0354	0.0354	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0043	0.0043	0.0043	0.0037	0.0037	0.0030	0.0039	0.0039	0.0038	0.0038	0.0038	0.0038
TOTALS	Activity	0.0326	0.0326	0.0326	0.0568	0.0568	0.0460	0.0449	0.0449	0.0404	0.0404	0.0404	0.0404
	Hauling	0.0384	0.0384	0.0384	0.0419	0.0419	0.0413	0.0110	0.0110	0.0075	0.0075	0.0075	0.0075
0.2735	Total	0.075	0.075	0.075	0.102	0.102	0.090	0.060	0.060	0.052	0.052	0.052	0.052
YEARLY TOTALS		0.848											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1762	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0033	0.0020	0.0020	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
	Activity	0.0207	0.0207	0.0207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0051	0.0029	0.0029	0.0017	0.0017	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000
	Total	0.0291	0.0257	0.0257	0.0024	0.0024	0.0024	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0038	0.0026	0.0026	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0404	0.0404	0.0404	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0075	0.0053	0.0053	0.0017	0.0017	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000
0.2735	Total	0.052	0.048	0.048	0.002	0.002	0.002	0.002	0.002	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.161											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0524	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0013	0.0022	0.0022
0.0026	Activity	0.0000	0.0000	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0348	0.0233	0.0233
	Hauling	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0016	0.0010	0.0010
	Total	0.0000	0.0000	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0376	0.0265	0.0265
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	0.0076	0.0076	0.0076	0.0076
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0010	0.0010	0.0015	0.0025	0.0025
TOTALS	Activity	0.0000	0.0000	0.0233	0.0233	0.0233	0.0233	0.0233	0.0309	0.0309	0.0424	0.0309	0.0309
	Hauling	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0018	0.0018	0.0019	0.0013	0.0013
0.1172	Total	0.000	0.000	0.026	0.026	0.026	0.026	0.026	0.034	0.034	0.046	0.035	0.035
YEARLY TOTALS		0.311											

$PM_{2.5}$ TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0074	0.0074
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007
0.0524	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0083	0.0083	0.0083
MC	Equipment	0.0022	0.0023	0.0034	0.0034	0.0034	0.0029	0.0029	0.0030	0.0029	0.0029	0.0029	0.0029
0.0026	Activity	0.0233	0.0233	0.0394	0.0394	0.0394	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279
	Hauling	0.0010	0.0011	0.0051	0.0051	0.0051	0.0050	0.0050	0.0051	0.0050	0.0050	0.0050	0.0050
	Total	0.0265	0.0267	0.0478	0.0478	0.0478	0.0358	0.0358	0.0360	0.0358	0.0358	0.0358	0.0358
CA	Equipment	0.0003	0.0005	0.0005	0.0005	0.0005	0.0024	0.0024	0.0024	0.0026	0.0003	0.0027	0.0027
0.0007	Activity	0.0076	0.0132	0.0132	0.0132	0.0132	0.0250	0.0250	0.0250	0.0250	0.0000	0.0259	0.0259
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0012	0.0002	0.0075	0.0075
	Total	0.0082	0.0138	0.0138	0.0138	0.0138	0.0284	0.0284	0.0284	0.0288	0.0005	0.0361	0.0361
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0006	0.0006	0.0006
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069	0.0069	0.0069	0.0069	0.0163	0.0163	0.0163
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0073	0.0073	0.0073	0.0073	0.0170	0.0170	0.0170
All Areas	Equipment	0.0025	0.0029	0.0039	0.0039	0.0039	0.0055	0.0055	0.0056	0.0058	0.0040	0.0064	0.0064
TOTALS	Activity	0.0309	0.0365	0.0525	0.0525	0.0525	0.0598	0.0598	0.0598	0.0598	0.0516	0.0775	0.0775
	Hauling	0.0013	0.0012	0.0052	0.0052	0.0052	0.0061	0.0061	0.0062	0.0063	0.0060	0.0133	0.0133
0.1172	Total	0.035	0.041	0.062	0.062	0.062	0.071	0.071	0.072	0.072	0.062	0.097	0.097
YEARLY TOTALS		0.803											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0023	0.0023	0.0023
0.0008	Activity	0.0074	0.0074	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0319	0.0319	0.0319
	Hauling	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0039	0.0039	0.0039
0.0524	Total	0.0083	0.0083	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0381	0.0381	0.0381
MC	Equipment	0.0029	0.0029	0.0030	0.0030	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
0.0026	Activity	0.0279	0.0279	0.0279	0.0279	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078
	Total	0.0358	0.0358	0.0359	0.0359	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191
CA	Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0259	0.0259	0.0259	0.0259	0.0259	0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0075	0.0075	0.0075	0.0075	0.0075	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0361	0.0361	0.0361	0.0361	0.0361	0.0361	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0015	0.0015	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0000	0.0000	0.0000
0.0003	Activity	0.0214	0.0214	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000
	Total	0.0238	0.0238	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0000	0.0000	0.0000
All Areas	Equipment	0.0074	0.0074	0.0088	0.0088	0.0089	0.0089	0.0063	0.0063	0.0063	0.0054	0.0054	0.0054
TOTALS	Activity	0.0825	0.0825	0.0949	0.0949	0.0753	0.0753	0.0494	0.0494	0.0494	0.0402	0.0402	0.0402
	Hauling	0.0141	0.0141	0.0134	0.0134	0.0161	0.0161	0.0086	0.0086	0.0086	0.0116	0.0116	0.0116
0.1172	Total	0.104	0.104	0.117	0.117	0.100	0.100	0.064	0.064	0.064	0.057	0.057	0.057
YEARLY TOTALS		1.007											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.0023	0.0023	0.0019	0.0002	0.0002	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
0.0008	Activity	0.0319	0.0319	0.0155	0.0000	0.0000	0.0360	0.0360	0.0360	0.0360	0.0360	0.0360	0.0360
	Hauling	0.0039	0.0039	0.0039	0.0001	0.0001	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
0.0524	Total	0.0381	0.0381	0.0213	0.0003	0.0003	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524	0.0524
MC	Equipment	0.0031	0.0031	0.0031	0.0000	0.0000	0.0015	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
0.0026	Activity	0.0082	0.0082	0.0082	0.0000	0.0000	0.0158	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
	Hauling	0.0078	0.0078	0.0078	0.0000	0.0000	0.0002	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.0191	0.0191	0.0191	0.0000	0.0000	0.0175	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas	Equipment	0.0054	0.0054	0.0050	0.0004	0.0004	0.0043	0.0074	0.0074	0.0074	0.0074	0.0074	0.0074
TOTALS	Activity	0.0402	0.0402	0.0237	0.0000	0.0000	0.0518	0.0604	0.0604	0.0604	0.0604	0.0604	0.0604
	Hauling	0.0116	0.0116	0.0117	0.0003	0.0003	0.0142	0.0204	0.0204	0.0204	0.0204	0.0204	0.0204
0.1172	Total	0.057	0.057	0.040	0.001	0.001	0.070	0.088	0.088	0.0882	0.0882	0.088	0.088
YEARLY TOTALS		0.756											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.0026	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
0.0008	Activity	0.0360	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0138	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007
0.0524	Total	0.0524	0.0524	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009
MC	Equipment	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0054	0.0021	0.0021	0.0021	0.0021	0.0021
0.0026	Activity	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0158	0.0158	0.0158	0.0158	0.0158
	Hauling	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0066	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0355	0.0355	0.0355	0.0355	0.0355	0.0355	0.0364	0.0183	0.0183	0.0183	0.0183	0.0183
CA	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
CE	Equipment	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0006	0.0006	0.0003	0.0003	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0099	0.0099	0.0000	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0011	0.0011	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0003	0.0003	0.0115	0.0115	0.0005	0.0035	0.0035	0.0031	0.0031	0.0000	0.0000
All Areas	Equipment	0.0077	0.0077	0.0051	0.0053	0.0053	0.0053	0.0061	0.0030	0.0028	0.0028	0.0025	0.0025
TOTALS	Activity	0.0604	0.0604	0.0244	0.0344	0.0344	0.0244	0.0273	0.0186	0.0186	0.0186	0.0158	0.0158
	Hauling	0.0209	0.0209	0.0071	0.0081	0.0081	0.0071	0.0073	0.0018	0.0017	0.0017	0.0017	0.0017
0.1172	Total	0.089	0.089	0.037	0.048	0.048	0.037	0.041	0.0234	0.0231	0.023	0.020	0.020
YEARLY TOTALS		0.498											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
0.0524	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
MC	Equipment	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0023	0.0009	0.0009	0.0009
0.0026	Activity	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0010	0.0008	0.0008	0.0008
	Total	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0191	0.0018	0.0018	0.0018
CA	Equipment	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0023	0.0023	0.0018	0.0018
0.0007	Activity	0.0000	0.0000	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0063	0.0063	0.0063	0.0063
	Hauling	0.0006	0.0006	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0005	0.0005	0.0003	0.0003
	Total	0.0008	0.0008	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0090	0.0090	0.0083	0.0083
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0047	0.0034	0.0029	0.0029
TOTALS	Activity	0.0158	0.0158	0.0282	0.0282	0.0282	0.0282	0.0282	0.0282	0.0221	0.0063	0.0063	0.0063
	Hauling	0.0017	0.0017	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0022	0.0020	0.0018	0.0018
0.1172	Total	0.020	0.020	0.037	0.037	0.037	0.037	0.037	0.0369	0.0290	0.012	0.011	0.011
YEARLY TOTALS		0.324											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0026	0.0023	0.0023
0.0008	Activity	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0166	0.0247	0.0082	0.0082
	Hauling	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0043	0.0004	0.0004
0.0524	Total	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0316	0.0109	0.0109
MC	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0026	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
CA	Equipment	0.0018	0.0018	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0063	0.0063	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0083	0.0083	0.0070	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0043	0.0043	0.0031	0.0031	0.0025	0.0025	0.0025	0.0025	0.0025	0.0035	0.0032	0.0032
TOTALS	Activity	0.0229	0.0229	0.0229	0.0229	0.0166	0.0166	0.0166	0.0166	0.0166	0.0247	0.0082	0.0082
	Hauling	0.0052	0.0052	0.0050	0.0050	0.0049	0.0049	0.0049	0.0049	0.0049	0.0051	0.0013	0.0013
0.1172	Total	0.032	0.032	0.031	0.031	0.024	0.024	0.024	0.024	0.024	0.033	0.013	0.013
YEARLY TOTALS		0.305											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.0019	0.0019	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0082	0.0082	0.0082	0.0082	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0524	Total	0.0104	0.0104	0.0104	0.0089	0.0089	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
0.0026	Activity	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
	Hauling	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0041	0.0041	0.0041	0.0035	0.0035	0.0028	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
TOTALS	Activity	0.0207	0.0207	0.0207	0.0380	0.0380	0.0299	0.0296	0.0296	0.0270	0.0270	0.0270	0.0270
	Hauling	0.0054	0.0054	0.0054	0.0060	0.0060	0.0059	0.0014	0.0014	0.0008	0.0008	0.0008	0.0008
0.1172	Total	0.030	0.030	0.030	0.048	0.048	0.039	0.035	0.035	0.031	0.031	0.031	0.031
YEARLY TOTALS		0.419											

$PM_{2.5}$ TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0524	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0031	0.0020	0.0020	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
0.0026	Activity	0.0122	0.0122	0.0122	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000
	Total	0.0158	0.0145	0.0145	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0037	0.0025	0.0025	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0270	0.0270	0.0270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0006	0.0006	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000
0.1172	Total	0.031	0.030	0.030	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.096											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0124	0.0167	0.0167
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0014	0.0009	0.0009
	Total	0.0000	0.0000	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0139	0.0176	0.0176
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0095	0.0095	0.0148	0.0191	0.0191
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0016	0.0016	0.0017	0.0011	0.0011
	Total	0.000	0.000	0.009	0.009	0.009	0.009	0.009	0.011	0.011	0.016	0.020	0.020
YEARLY TOTALS		0.122											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028	0.0028
MC	Equipment	0.0167	0.0175	0.0119	0.0119	0.0119	0.0066	0.0066	0.0071	0.0066	0.0066	0.0066	0.0066
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0009	0.0009	0.0044	0.0044	0.0044	0.0043	0.0043	0.0044	0.0043	0.0043	0.0043	0.0043
	Total	0.0176	0.0184	0.0163	0.0163	0.0163	0.0110	0.0110	0.0116	0.0110	0.0110	0.0110	0.0110
CA	Equipment	0.0023	0.0061	0.0061	0.0061	0.0061	0.0180	0.0180	0.0180	0.0195	0.0015	0.0061	0.0061
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0010	0.0001	0.0065	0.0065
	Total	0.0026	0.0061	0.0061	0.0061	0.0061	0.0189	0.0189	0.0189	0.0205	0.0016	0.0127	0.0127
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0063	0.0063	0.0063
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0064	0.0064	0.0064
All Areas	Equipment	0.0191	0.0236	0.0179	0.0179	0.0179	0.0267	0.0267	0.0273	0.0282	0.0166	0.0212	0.0212
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002
	Hauling	0.0011	0.0010	0.0045	0.0045	0.0045	0.0053	0.0053	0.0054	0.0054	0.0051	0.0115	0.0115
	Total	0.020	0.025	0.022	0.022	0.022	0.032	0.032	0.033	0.034	0.022	0.033	0.033
YEARLY TOTALS		0.331											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0022	0.0022	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0179	0.0179	0.0179
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0032	0.0032	0.0032
	Total	0.0028	0.0028	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0211	0.0211	0.0211
MC	Equipment	0.0066	0.0066	0.0070	0.0070	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0043	0.0043	0.0044	0.0044	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.0110	0.0110	0.0114	0.0114	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
CA	Equipment	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0125	0.0125	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Total	0.0133	0.0133	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000	0.0000
All Areas	Equipment	0.0274	0.0274	0.0253	0.0253	0.0254	0.0254	0.0194	0.0194	0.0194	0.0250	0.0250	0.0250
TOTALS	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0122	0.0122	0.0116	0.0116	0.0137	0.0137	0.0071	0.0071	0.0071	0.0097	0.0097	0.0097
	Total	0.040	0.040	0.037	0.037	0.039	0.039	0.027	0.027	0.027	0.035	0.035	0.035
YEARLY TOTALS		0.417											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.0179	0.0179	0.0126	0.0011	0.0011	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0032	0.0032	0.0032	0.0001	0.0001	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111	0.0111
	Total	0.0211	0.0211	0.0159	0.0012	0.0012	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
MC	Equipment	0.0072	0.0072	0.0072	0.0000	0.0000	0.0031	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0064	0.0064	0.0064	0.0000	0.0000	0.0002	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0137	0.0137	0.0137	0.0000	0.0000	0.0032	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0014	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
All Areas	Equipment	0.0250	0.0250	0.0198	0.0023	0.0023	0.0098	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168
TOTALS	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0097	0.0097	0.0097	0.0002	0.0002	0.0115	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164
	Total	0.035	0.035	0.030	0.003	0.003	0.021	0.033	0.033	0.033	0.033	0.033	0.033
YEARLY TOTALS		0.327											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0111	0.0111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0172	0.0172	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015
MC	Equipment	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0139	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0052	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0192	0.0065	0.0065	0.0065	0.0065	0.0065
CA	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
CE	Equipment	0.0031	0.0031	0.0031	0.0044	0.0044	0.0049	0.0060	0.0060	0.0028	0.0028	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0032	0.0032	0.0032	0.0052	0.0052	0.0049	0.0060	0.0060	0.0029	0.0029	0.0000	0.0000
All Areas	Equipment	0.0199	0.0199	0.0140	0.0152	0.0152	0.0158	0.0207	0.0140	0.0108	0.0108	0.0080	0.0080
TOTALS	Activity	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0168	0.0168	0.0057	0.0065	0.0065	0.0057	0.0058	0.0014	0.0013	0.0013	0.0013	0.0013
	Total	0.037	0.037	0.020	0.022	0.022	0.022	0.027	0.015	0.012	0.012	0.009	0.009
YEARLY TOTALS		0.244											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
MC	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0071	0.0047	0.0047	0.0047
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0008	0.0006	0.0006	0.0006
	Total	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0079	0.0053	0.0053	0.0053
CA	Equipment	0.0008	0.0008	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0245	0.0245	0.0198	0.0198
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0003	0.0003	0.0002	0.0002
	Total	0.0014	0.0014	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0248	0.0248	0.0200	0.0200
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0080	0.0080	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222	0.0325	0.0301	0.0254	0.0254
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0016	0.0015	0.0013	0.0013
	Total	0.009	0.009	0.026	0.026	0.026	0.026	0.026	0.026	0.034	0.032	0.027	0.027
YEARLY TOTALS		0.294											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0160	0.0264	0.0248	0.0248
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0003	0.0003
	Total	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0295	0.0250	0.0250
MC	Equipment	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
CA	Equipment	0.0198	0.0198	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0200	0.0200	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0405	0.0405	0.0270	0.0270	0.0207	0.0207	0.0207	0.0207	0.0207	0.0310	0.0294	0.0294
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0038	0.0038	0.0037	0.0037	0.0036	0.0036	0.0036	0.0036	0.0036	0.0037	0.0009	0.0009
	Total	0.044	0.044	0.031	0.031	0.024	0.024	0.024	0.024	0.024	0.035	0.030	0.030
YEARLY TOTALS		0.368											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.0212	0.0212	0.0212	0.0068	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0214	0.0214	0.0214	0.0069	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0224	0.0224	0.0224	0.0224	0.0224	0.0224	0.0297	0.0297	0.0297	0.0297	0.0297	0.0297
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0399	0.0399	0.0399	0.0321	0.0321	0.0253	0.0360	0.0360	0.0338	0.0338	0.0338	0.0338
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0039	0.0039	0.0039	0.0044	0.0044	0.0043	0.0009	0.0009	0.0005	0.0005	0.0005	0.0005
	Total	0.044	0.044	0.044	0.037	0.037	0.030	0.037	0.037	0.034	0.034	0.034	0.034
YEARLY TOTALS		0.445											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0294	0.0161	0.0161	0.0038	0.0038	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0297	0.0163	0.0163	0.0039	0.0039	0.0039	0.0039	0.0039	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0338	0.0205	0.0205	0.0038	0.0038	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0004	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.034	0.021	0.021	0.004	0.004	0.004	0.004	0.004	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.096											

CO_2 TOTALS

	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
MC	Equipment	-	-	53	53	53	53	53	53	53	80	150	150
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	31	31	31	31	31	31	31	34	22	22
	Total	-	-	84	84	84	84	84	84	84	114	172	172
CA	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	52.8337	52.8337	52.8337	52.8337	52.8337	70.1413	70.1413	97.6317	167.5942	167.5942
TOTALS	Activity	0.0000	0.0000	0.1015	0.1015	0.1015	0.1015	0.1015	0.1225	0.1225	0.1332	0.0935	0.0935
	Hauling	-	-	31	31	31	31	31	37	37	40	28	28
	Total	-	-	84	84	84	84	84	107	107	138	196	196
YEARLY TOTALS		1161.389											

CO_2 TOTALS

		2042											
	Source	1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	-	-	-	-	-	-	-	-	-	17	17	17
	Activity	-	-	-	-	-	-	-	-	-	0	0	0
	Hauling	-	-	-	-	-	-	-	-	-	13	13	13
	Total	-	-	-	-	-	-	-	-	-	30	30	30
MC	Equipment	150	166	105	105	105	78	78	96	78	78	78	78
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	22	25	105	105	105	102	102	104	102	102	102	102
	Total	172	191	211	211	211	180	180	201	180	180	180	180
CA	Equipment	17	32	32	32	32	172	172	172	204	32	72	72
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	3	22	22	22	29	7	153	153
	Total	24	35	35	35	35	194	194	194	233	39	225	225
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	15.8501	15.8501	15.8501	15.8501	32.7771	32.7771	32.7771
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095	0.0095	0.0095	0.0095	0.0123	0.0123	0.0123
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	2.8687	2.8687	2.8687	2.8687	3.5810	3.5810	3.5810
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	18.7283	18.7283	18.7283	18.7283	36.3704	36.3704	36.3704
All Areas	Equipment	167.5942	197.7627	136.8049	136.8049	136.8049	265.7142	265.7142	283.9398	297.5794	158.9616	198.9230	198.9230
TOTALS	Activity	0.0935	0.0959	0.3602	0.3602	0.3602	0.4200	0.4200	0.4289	0.4432	0.4183	0.9026	0.9026
	Hauling	28	29	108	108	108	127	127	129	133	126	272	272
	Total	196	226	246	246	246	393	393	413	431	285	472	472
YEARLY TOTALS		4017.234											

CO_2 TOTALS

		2043											
	Source	1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	17	17	33	33	33	33	33	33	33	214	214	214
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	3	3	3	3	3	3	3	81	81	81
	Total	30	30	37	37	37	37	37	37	37	296	296	296
MC	Equipment	78	78	96	96	235	235	235	235	235	235	235	235
	Activity	0	0	0	0	1	1	1	1	1	1	1	1
	Hauling	102	102	103	103	162	162	162	162	162	162	162	162
	Total	180	180	200	200	398	398	398	398	398	398	398	398
CA	Equipment	72	72	72	72	72	72	-	-	-	-	-	-
	Activity	1	1	1	1	1	1	-	-	-	-	-	-
	Hauling	153	153	153	153	153	153	-	-	-	-	-	-
	Total	225	225	225	225	225	225	-	-	-	-	-	-
CE	Equipment	112.3554	112.3554	69.1950	69.1950	69.1950	69.1950	69.1950	69.1950	69.1950	0.0000	0.0000	0.0000
	Activity	0.0637	0.0637	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0000	0.0000	0.0000
	Hauling	19.0689	19.0689	15.2171	15.2171	15.2171	15.2171	15.2171	15.2171	15.2171	0.0000	0.0000	0.0000
	Total	131.4880	131.4880	84.4625	84.4625	84.4625	84.4625	84.4625	84.4625	84.4625	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	278.5012	278.5012	270.5049	270.5049	409.2939	409.2939	337.4674	337.4674	337.4674	449.6895	449.6895	449.6895
	Activity	0.9540	0.9540	0.9123	0.9123	1.1109	1.1109	0.6034	0.6034	0.6034	0.8166	0.8166	0.8166
	Hauling	287	287	275	275	334	334	181	181	181	244	244	244
	Total	567	567	546	546	744	744	519	519	519	694	694	694
YEARLY TOTALS		7354.137											

CO_2 TOTALS

	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	214	214	205	24	24	70	70	70	70	70	70	70
	Activity	0	0	0	0	0	1	1	1	1	1	1	1
	Hauling	81	81	82	5	5	276	276	276	276	276	276	276
	Total	296	296	288	29	29	347	347	347	347	347	347	347
MC	Equipment	235	235	235	-	-	98	320	320	320	320	320	320
	Activity	1	1	1	-	-	0	0	0	0	0	0	0
	Hauling	162	162	162	-	-	5	135	135	135	135	135	135
	Total	398	398	398	-	-	103	455	455	455	455	455	455
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	53.6430	53.6430	39.6812	39.6812	39.6812	39.6812	39.6812	39.6812	39.6812
	Activity	0.0000	0.0000	0.0000	0.0131	0.0131	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113
	Hauling	0.0000	0.0000	0.0000	3.9431	3.9431	3.4054	3.4054	3.4054	3.4054	3.4054	3.4054	3.4054
	Total	0.0000	0.0000	0.0000	57.5992	57.5992	43.0979	43.0979	43.0979	43.0979	43.0979	43.0979	43.0979
All Areas TOTALS	Equipment	449.6895	449.6895	440.5265	77.5418	77.5418	207.7577	429.6014	429.6014	429.6014	429.6014	429.6014	429.6014
	Activity	0.8166	0.8166	0.8218	0.0312	0.0312	0.9683	1.3994	1.3994	1.3994	1.3994	1.3994	1.3994
	Hauling	244	244	245	9	9	284	414	414	414	414	414	414
	Total	694	694	686	86	86	493	845	845	845	845	845	845
YEARLY TOTALS		7809.092											

CO_2 TOTALS

	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	70	70	-	-	-	-	-	41	41	41	41	41
	Activity	1	1	-	-	-	-	-	0	0	0	0	0
	Hauling	276	276	-	-	-	-	-	14	14	14	14	14
	Total	347	347	-	-	-	-	-	55	55	55	55	55
MC	Equipment	320	320	320	320	320	320	435	185	185	185	185	185
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	135	135	135	135	135	135	140	9	9	9	9	9
	Total	455	455	455	455	455	455	576	195	195	195	195	195
CA	Equipment	38	38	38	38	38	38	38	38	38	38	38	38
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	51	51	51	51	51	51	51	51	51	51	51	51
CE	Equipment	17.9342	17.9342	17.9342	33.2966	33.2966	32.7830	35.5859	35.5859	17.6517	17.6517	0.0000	0.0000
	Activity	0.0049	0.0049	0.0049	0.0731	0.0731	0.0091	0.0072	0.0072	0.0023	0.0023	0.0000	0.0000
	Hauling	1.4338	1.4338	1.4338	21.9765	21.9765	2.6652	2.1062	2.1062	0.6724	0.6724	0.0000	0.0000
	Total	19.3729	19.3729	19.3729	55.3463	55.3463	35.4573	37.6993	37.6993	18.3264	18.3264	0.0000	0.0000
All Areas	Equipment	445.6460	445.6460	375.8009	391.1633	391.1633	390.6497	508.6719	299.9781	282.0439	282.0439	264.3922	264.3922
TOTALS	Activity	1.4360	1.4360	0.4960	0.5642	0.5642	0.5002	0.5184	0.1299	0.1250	0.1250	0.1227	0.1227
	Hauling	425	425	149	170	170	150	156	38	37	37	36	36
	Total	872	872	525	561	561	541	665	339	319	319	301	301
YEARLY TOTALS		6176.519											

CO_2 TOTALS

	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	41	41	41	41	41	41	41	41	41	41	41	41
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	14	14	14	14	14	14	14	14	14	14
	Total	55	55	55	55	55	55	55	55	55	55	55	55
MC	Equipment	185	185	185	185	185	185	185	185	224	154	154	154
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	22	19	19	19
	Total	195	195	195	195	195	195	195	195	247	173	173	173
CA	Equipment	38	38	76	76	76	76	76	76	136	136	96	96
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	82	82	82	82	82	82	16	16	10	10
	Total	51	51	158	158	158	158	158	158	151	151	106	106
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	264.3922	264.3922	302.6019	302.6019	302.6019	302.6019	302.6019	302.6019	400.8574	330.6023	291.0054	291.0054
TOTALS	Activity	0.1227	0.1227	0.3527	0.3527	0.3527	0.3527	0.3527	0.3527	0.1769	0.1655	0.1452	0.1452
	Hauling	36	36	105	105	105	105	105	105	52	49	43	43
	Total	301	301	408	408	408	408	408	408	453	380	334	334
YEARLY TOTALS		4552.346											

CO_2 TOTALS

	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	81	81	81	81	81	81	81	81	81	153	133	133
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	85	85	85	85	85	85	85	85	85	91	15	15
	Total	166	166	166	166	166	166	166	166	166	244	147	147
MC	Equipment	154	154	154	154	154	154	154	154	154	154	154	154
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	19	19	19	19	19	19	19
	Total	173	173	173	173	173	173	173	173	173	173	173	173
CA	Equipment	96	96	39	39	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	10	10	2	2	-	-	-	-	-	-	-	-
	Total	106	106	41	41	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	330.7328	330.7328	273.7516	273.7516	234.7536	234.7536	234.7536	234.7536	234.7536	306.7846	286.7110	286.7110
TOTALS	Activity	0.3954	0.3954	0.3694	0.3694	0.3620	0.3620	0.3620	0.3620	0.3620	0.3897	0.1244	0.1244
	Hauling	113	113	106	106	104	104	104	104	104	110	34	34
	Total	444	444	380	380	339	339	339	339	339	417	320	320
YEARLY TOTALS		4399.954											

CO_2 TOTALS

	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	103	103	103	42	42	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	10	10	10	2	2	-	-	-	-	-	-	-
	Total	113	113	113	45	45	-	-	-	-	-	-	-
MC	Equipment	190	190	190	190	190	190	247	247	247	247	247	247
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	106	106	106	106	106	106	17	17	17	17	17	17
	Total	296	296	296	296	296	296	264	264	264	264	264	264
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	293.4626	293.4626	293.4626	267.0458	267.0458	224.7125	281.4894	281.4894	307.2253	307.2253	307.2253	307.2253
TOTALS	Activity	0.3949	0.3949	0.3949	0.4191	0.4191	0.4096	0.1159	0.1159	0.0846	0.0846	0.0846	0.0846
	Hauling	116	116	116	125	125	123	34	34	25	25	25	25
	Total	410	410	410	393	393	348	316	316	332	332	332	332
YEARLY TOTALS		4323.671											

CO_2 TOTALS

	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
MC	Equipment	247	191	191	115	115	115	115	115	-	-	-	-
	Activity	0	0	0	0	0	0	0	0	-	-	-	-
	Hauling	17	10	10	6	6	6	6	6	-	-	-	-
	Total	264	201	201	121	121	121	121	121	-	-	-	-
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	307.2253	251.2617	251.2617	115.2193	115.2193	115.2193	115.2193	115.2193	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0846	0.0598	0.0598	0.0202	0.0202	0.0202	0.0202	0.0202	0.0000	0.0000	0.0000	0.0000
	Hauling	25	18	18	6	6	6	6	6	-	-	-	-
	Total	332	269	269	121	121	121	121	121	-	-	-	-
YEARLY TOTALS		1475.712											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0008	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
	Total	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0011	0.0016	0.0016
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.0007	0.0009	0.0016	0.0016
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
YEARLY TOTALS		0.011											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
MC	Equipment	0.0014	0.0016	0.0009	0.0009	0.0009	0.0006	0.0006	0.0008	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0010	0.0010	0.0010	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0016	0.0018	0.0019	0.0019	0.0019	0.0016	0.0016	0.0018	0.0016	0.0016	0.0016	0.0016
CA	Equipment	0.0002	0.0003	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0019	0.0003	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0001	0.0014	0.0014
	Total	0.0002	0.0003	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0022	0.0004	0.0020	0.0020
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
All Areas	Equipment	0.0016	0.0019	0.0012	0.0012	0.0012	0.0024	0.0024	0.0026	0.0027	0.0014	0.0017	0.0017
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0010	0.0010	0.0010	0.0011	0.0011	0.0012	0.0012	0.0011	0.0025	0.0025
	Total	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.004	0.004
YEARLY TOTALS		0.036											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FW	Equipment	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0019	0.0019	0.0019
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007
	Total	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0027	0.0027	0.0027
MC	Equipment	0.0006	0.0006	0.0008	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0009	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	Total	0.0016	0.0016	0.0017	0.0017	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
CA	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0011	0.0011	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0012	0.0012	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0023	0.0023	0.0025	0.0025	0.0019	0.0019	0.0019	0.0029	0.0029	0.0029
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0025	0.0025	0.0030	0.0030	0.0016	0.0016	0.0016	0.0022	0.0022	0.0022
	Total	0.005	0.005	0.005	0.005	0.006	0.006	0.004	0.004	0.004	0.005	0.005	0.005
YEARLY TOTALS		0.057											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FW	Equipment	0.0019	0.0019	0.0018	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0008	0.0000	0.0000	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
	Total	0.0027	0.0027	0.0026	0.0003	0.0003	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
MC	Equipment	0.0010	0.0010	0.0010	0.0000	0.0000	0.0004	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.0025	0.0025	0.0025	0.0000	0.0000	0.0004	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas	Equipment	0.0029	0.0029	0.0028	0.0006	0.0006	0.0012	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0022	0.0001	0.0001	0.0026	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
	Total	0.005	0.005	0.005	0.001	0.001	0.004	0.006	0.006	0.006	0.006	0.006	0.006
YEARLY TOTALS		0.056											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FW	Equipment	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0025	0.0025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0031	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004
MC	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0013	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0036	0.0013	0.0013	0.0013	0.0013	0.0013
CA	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
CE	Equipment	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0005	0.0005	0.0003	0.0004	0.0004	0.0002	0.0002	0.0000	0.0000
All Areas	Equipment	0.0023	0.0023	0.0017	0.0018	0.0018	0.0018	0.0029	0.0021	0.0019	0.0019	0.0018	0.0018
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0039	0.0039	0.0014	0.0015	0.0015	0.0014	0.0014	0.0004	0.0003	0.0003	0.0003	0.0003
	Total	0.006	0.006	0.003	0.003	0.003	0.003	0.004	0.002	0.002	0.002	0.002	0.002
YEARLY TOTALS		0.041											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FW	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
MC	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0015	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0017	0.0015	0.0015	0.0015
CA	Equipment	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0013	0.0013	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0018	0.0018	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0031	0.0029	0.0025	0.0025
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0005	0.0005	0.0004	0.0004
	Total	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003	0.003
YEARLY TOTALS		0.036											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FW	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0014	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0001	0.0001
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0023	0.0014	0.0014
MC	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
CA	Equipment	0.0009	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0030	0.0030	0.0024	0.0024	0.0021	0.0021	0.0021	0.0021	0.0021	0.0027	0.0026	0.0026
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0010	0.0010	0.0010	0.0009	0.0009	0.0009	0.0009	0.0009	0.0010	0.0003	0.0003
	Total	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.003	0.003
YEARLY TOTALS		0.039											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FW	Equipment	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0011	0.0011	0.0011	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0027	0.0027	0.0027	0.0025	0.0025	0.0021	0.0026	0.0026	0.0029	0.0029	0.0029	0.0029
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002
	Total	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003
YEARLY TOTALS		0.040											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0023	0.0018	0.0018	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0025	0.0019	0.0019	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0029	0.0023	0.0023	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.003	0.003	0.003	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.014											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 1	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2043	12/31/2043	2043	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2044	12/31/2044	2044	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2045	12/31/2045	2045	260	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2046	12/31/2046	2046	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2047	12/31/2047	2047	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2048	12/31/2048	2048	262	25	40	5	563	18	221497	2	13	5	0.001	0.163	0.005	64	0.001	0.004	0.001
Section 1	MSF	1/1/2049	12/31/2049	2049	261	15	40	3	338	11	132752	1	8	3	0.001	0.097	0.003	38	0.000	0.002	0.001
Section 1	MSF	1/1/2050	12/31/2050	2050	260	10	40	2	225	7	88421	1	5	2	0.001	0.064	0.002	25	0.000	0.001	0.001
Section 1	MSF	1/1/2051	2/27/2051	2051	41	10	40	2	225	7	88421	1	5	2	0.000	0.010	0.000	4	0.000	0.000	0.000
Section 1	Alignment Section	1/14/2041	12/31/2041	2041	252	50	40	12	1170	42	450624	4	26	10	0.003	0.325	0.012	125	0.001	0.007	0.003
Section 1	Alignment Section	1/1/2042	12/31/2042	2042	261	120	40	27	2779	99	1077205	11	62	23	0.008	0.800	0.028	310	0.003	0.018	0.007
Section 1	Alignment Section	1/1/2043	12/31/2043	2043	261	180	40	39	4135	144	1610470	16	93	35	0.011	1.190	0.042	463	0.005	0.027	0.010
Section 1	Alignment Section	1/1/2044	12/31/2044	2044	261	205	40	44	4681	161	1829155	18	106	40	0.013	1.347	0.046	526	0.005	0.031	0.011
Section 1	Alignment Section	1/1/2045	12/31/2045	2045	260	225	40	47	5116	173	2002970	20	116	44	0.014	1.466	0.050	574	0.006	0.033	0.012
Section 1	Alignment Section	1/1/2046	12/31/2046	2046	261	215	40	45	4872	163	1910365	19	111	42	0.013	1.402	0.047	550	0.005	0.032	0.012
Section 1	Alignment Section	1/1/2047	12/31/2047	2047	261	160	40	33	3615	120	1419434	14	83	31	0.009	1.040	0.034	408	0.004	0.024	0.009
Section 1	Alignment Section	1/1/2048	12/31/2048	2048	262	160	40	33	3606	118	1417582	14	83	31	0.009	1.041	0.034	409	0.004	0.024	0.009
Section 1	Alignment Section	1/1/2049	12/31/2049	2049	261	65	40	13	1463	48	575259	6	34	13	0.004	0.421	0.014	166	0.002	0.010	0.004
Section 1	Alignment Section	1/1/2050	12/31/2050	2050	260	30	40	6	675	22	265262	3	15	6	0.002	0.193	0.006	76	0.001	0.004	0.002
Section 1	Alignment Section	1/1/2051	2/27/2051	2051	41	30	40	6	675	22	265262	3	15	6	0.000	0.031	0.001	12	0.000	0.001	0.000

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	125	0.0	0.0	0.0
2042	0.0	0.8	0.0	310	0.0	0.0	0.0
2043	0.0	1.2	0.0	463	0.0	0.0	0.0
2044	0.0	1.3	0.0	526	0.0	0.0	0.0
2045	0.0	1.5	0.0	574	0.0	0.0	0.0
2046	0.0	1.4	0.0	550	0.0	0.0	0.0
2047	0.0	1.0	0.0	408	0.0	0.0	0.0
2048	0.0	1.2	0.0	473	0.0	0.0	0.0
2049	0.0	0.5	0.0	204	0.0	0.0	0.0
2050	0.0	0.3	0.0	101	0.0	0.0	0.0
2051	0.0	0.0	0.0	16	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0	0.0	0.0	0.0
2044	0.0	0.0	0.0	0	0.0	0.0	0.0
2045	0.0	0.0	0.0	0	0.0	0.0	0.0
2046	0.0	0.0	0.0	0	0.0	0.0	0.0
2047	0.0	0.0	0.0	0	0.0	0.0	0.0
2048	0.0	0.2	0.0	64	0.0	0.0	0.0
2049	0.0	0.1	0.0	38	0.0	0.0	0.0
2050	0.0	0.1	0.0	25	0.0	0.0	0.0
2051	0.0	0.0	0.0	4	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading and site Prep at Existing Dev. 16 Facility																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.020	0.002	0.000	0.000	0.000	13.9	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.018	0.015	0.000	0.000	0.002	3.0	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.023	0.005	0.000	0.000	0.004	10.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/3/2048	8/31/2048	6	130	0.012	0.001	0.000	0.000	0.000	3.5	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	3/3/2048	8/31/2048	6	130	0.019	0.002	0.000	0.000	0.001	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.092*	*0.024*	*0.001*	*0.001*	*0.007*	*34*	*0.000*
Trackwork and Systems																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	9/1/2048	3/1/2049	7	130	0.004	0.000	0.000	0.000	0.000	2.5	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	9/1/2048	3/1/2049	7	130	0.031	0.026	0.000	0.000	0.003	5.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	9/1/2048	3/1/2049	7	130	0.020	0.001	0.000	0.000	0.000	6.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	9/1/2048	3/1/2049	7	130	0.077	0.008	0.000	0.000	0.001	44.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	3/1/2049	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.132*	*0.036*	*0.001*	*0.001*	*0.004*	*60*	*0.001*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site Prep at Existing Dev. 16 Facility															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-48	Aug-48	6	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Mar-48	Aug-48	6	130			0.0226	0.0171			
Truck Loading Dust	Tons of material being loaded per day	120	Aggregate		Mar-48	Aug-48	6	130			0.0016	0.0002			
Truck Loading on site - idling	Number of Vehicles	10	12	0.83	Mar-48	Aug-48	6	130	0.0001	0.0000	0.0000	0.0000	0.0000	0.0082	0.0000
Trucks Traveling on site	Number of Vehicles	10	Paved	1.00	Mar-48	Aug-48	6	130	0.0000	0.0002	0.0000	0.0000	0.0000	0.0490	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0242*	*0.0174*	*0.0000*	*0.0572*	*0.0000*
Trackwork and Systems															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-48	Mar-49	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Sep-48	Mar-49	7	130			0.0194	0.0147			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Sep-48	Mar-49	7	130			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0084	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0157	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0197*	*0.0147*	*0.0000*	*0.0259*	*0.0000*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site Prep at Existing Dev. 16 Facility														
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
Trucks Traveling to site	Number of Vehicles	10	66	Mar-48	Aug-48	6	130	0.0060	0.0243	0.0059	0.0009	0.0006	17.2165	0.0002
				Mar-48	Aug-48	6	130							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Aug-48	6	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Aug-48	6	130							
Totals								*0.0060*	*0.0243*	*0.0059*	*0.0009*	*0.0006*	*17.2165*	*0.0002*
Trackwork and Systems														
				Sep-48	Mar-49	7	130							
				Sep-48	Mar-49	7	130							
				Sep-48	Mar-49	7	130							
				Sep-48	Mar-49	7	130							
Trucks Traveling to site	Number of Vehicles	2	66	Sep-48	Mar-49	7	130	0.0010	0.0042	0.0010	0.0001	0.0001	2.9514	0.0000
				Sep-48	Mar-49	7	130							
Deliveries Traveling to site	Number of Vehicles	7	66	Sep-48	Mar-49	7	130	0.0006	0.0014	0.0014	0.0001	0.0001	4.7131	0.0000
				Sep-48	Mar-49	7	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-48	Mar-49	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Mar-49	7	130							
Totals								*0.0016*	*0.0055*	*0.0024*	*0.0003*	*0.0002*	*7.6645*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	9/23/2042	2/22/2043	6	109	0.0061	0.0045	0.0000	0.0000	0.0001	2.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	9/23/2042	2/22/2043	6	109	0.0290	0.0020	0.0001	0.0001	0.0004	8.8	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	9/23/2042	2/22/2043	6	109	0.0322	0.0027	0.0002	0.0001	0.0017	5.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/22/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0673*	*0.0092*	*0.0003*	*0.0002*	*0.0022*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/7/2043	2/22/2044	13	271	0.0191	0.0019	0.0001	0.0001	0.0004	13.4	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	2/7/2043	2/22/2044	13	271	0.0176	0.0148	0.0001	0.0001	0.0015	2.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	2/7/2043	2/22/2044	13	271	0.0225	0.0044	0.0003	0.0003	0.0034	10.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/7/2043	2/22/2044	13	271	0.0111	0.0008	0.0000	0.0000	0.0002	3.4	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	2/7/2043	2/22/2044	13	271	0.0185	0.0015	0.0001	0.0001	0.0010	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/7/2043	2/22/2044	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/7/2043	2/22/2044	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/7/2043	2/22/2044	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/7/2043	2/22/2044	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/7/2043	2/22/2044	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0888*	*0.0234*	*0.0006*	*0.0006*	*0.0064*	*33*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	9/8/2043	3/10/2044	7	133	0.0540	0.0054	0.0002	0.0002	0.0010	37.9	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	9/8/2043	3/10/2044	7	133	0.1251	0.0125	0.0005	0.0005	0.0024	86.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	2.0	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	6.0	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	9/8/2043	3/10/2044	7	133	0.0268	0.0019	0.0001	0.0001	0.0004	11.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0382	0.0096	0.0006	0.0005	0.0051	19.3	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0255	0.0027	0.0003	0.0003	0.0011	4.2	0.000
Construction Equipment Total				*18*										*0.2696*	*0.0321*	*0.0016*	*0.0015*	*0.0100*	*170*	*0.002*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/8/2043	3/10/2044	7	133	0.0222	0.0023	0.0001	0.0001	0.0012	3.6	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	9/8/2043	3/10/2044	7	133	0.0138	0.0102	0.0000	0.0000	0.0003	7.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*6*										*0.0360*	*0.0125*	*0.0002*	*0.0002*	*0.0015*	*12*	*0.000*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/25/2044	5/19/2044	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/25/2044	5/19/2044	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/25/2044	5/19/2044	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/25/2044	5/19/2044	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/25/2044	5/19/2044	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2044	5/19/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2044	5/19/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2044	5/19/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/25/2044	5/19/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2044	5/19/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	5/19/2044	2/6/2045	10	188	0.0089	0.0009	0.0000	0.0000	0.0002	6.3	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	5/19/2044	2/6/2045	10	188	0.0264	0.0422	0.0009	0.0008	0.0011	14.1	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/19/2044	2/6/2045	10	188	0.0172	0.0017	0.0001	0.0001	0.0003	12.1	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	5/19/2044	2/6/2045	10	188	0.0172	0.0193	0.0006	0.0006	0.0007	6.1	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	5/19/2044	2/6/2045	10	188	0.0183	0.0235	0.0009	0.0009	0.0008	7.6	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	5/19/2044	2/6/2045	10	188	0.0179	0.0033	0.0002	0.0002	0.0024	8.4	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	5/19/2044	2/6/2045	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	8.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	5/19/2044	2/6/2045	10	188	0.0068	0.0050	0.0000	0.0000	0.0002	3.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/19/2044	2/6/2045	10	188	0.0100	0.0007	0.0000	0.0000	0.0001	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2044	2/6/2045	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1227*	*0.0967*	*0.0028*	*0.0026*	*0.0059*	*70*	*0.001*
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	8/1/2045	12/31/2046	17	370	0.0103	0.0010	0.0000	0.0000	0.0002	7.2	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/1/2045	12/31/2046	17	370	0.0165	0.0012	0.0000	0.0000	0.0002	8.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	8/1/2045	12/31/2046	17	370	0.0170	0.0017	0.0001	0.0001	0.0003	9.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	10.2	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/1/2045	12/31/2046	17	370	0.0116	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	1	1.00	1.00	8	8	8	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/1/2045	12/31/2046	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0553*	*0.0047*	*0.0002*	*0.0002*	*0.0009*	*41*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/1/2047	3/23/2048	15	320	0.0161	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	1/1/2047	3/23/2048	15	320	0.0425	0.0089	0.0006	0.0005	0.0068	19.3	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	1/1/2047	3/23/2048	15	320	0.0425	0.0089	0.0006	0.0005	0.0068	19.3	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	1/1/2047	3/23/2048	15	320	0.0455	0.0032	0.0001	0.0001	0.0006	13.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2047	3/23/2048	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1466*	*0.0221*	*0.0013*	*0.0012*	*0.0144*	*61*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	1/1/2047	10/1/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	1/1/2047	10/1/2047	10	196	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	1/1/2047	10/1/2047	10	196	0.0251	0.0022	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	1/1/2047	10/1/2047	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	1	1.00	1.00	8	8	8	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/17/2047	12/10/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/17/2047	12/10/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	9/17/2047	12/10/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	9/17/2047	12/10/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	9/17/2047	12/10/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2047	12/10/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	10/1/2047	5/18/2048	8	165	0.0195	0.0020	0.0001	0.0001	0.0004	13.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	10/1/2047	5/18/2048	8	165	0.0175	0.0017	0.0001	0.0001	0.0003	9.4	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	10/1/2047	5/18/2048	8	165	0.0212	0.0048	0.0003	0.0003	0.0028	9.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	10/1/2047	5/18/2048	8	165	0.0206	0.0043	0.0003	0.0003	0.0033	9.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/1/2047	5/18/2048	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0788*	*0.0128*	*0.0007*	*0.0007*	*0.0068*	*42*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Feb-43	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Sep-42	Feb-43	6	109			0.0095	0.0072			
Truck Loading Dust	Tons of material being loaded per day	108	Aggregate		Sep-42	Feb-43	6	109			0.0012	0.0002			
Truck Loading on site - idling	Number of Vehicles	9	12	0.75	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Trucks Traveling on site	Number of Vehicles	9	Paved	0.90	Sep-42	Feb-43	6	109	0.0000	0.0001	0.0000	0.0000	0.0000	0.0391	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0107*	*0.0074*	*0.0000*	*0.0452*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Feb-44	13	271			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-43	Feb-44	13	271			0.0218	0.0165			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-43	Feb-44	13	271			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0218*	*0.0165*	*0.0000*	*0.0129*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-43	Mar-44	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-43	Mar-44	7	133			0.0198	0.0150			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Sep-43	Mar-44	7	133			0.0027	0.0004			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Sep-43	Mar-44	7	133	0.0001	0.0001	0.0000	0.0000	0.0000	0.0140	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Sep-43	Mar-44	7	133	0.0001	0.0003	0.0001	0.0000	0.0000	0.0909	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Sep-43	Mar-44	7	133	0.0002	0.0001	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Sep-43	Mar-44	7	133	0.0001	0.0005	0.0000	0.0000	0.0000	0.1273	0.0000
				0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0227*	*0.0155*	*0.0000*	*0.2637*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-43	Mar-44	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-43	Mar-44	7	133			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-43	Mar-44	7	133			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	May-44	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Aggregate		Feb-44	May-44	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-44	May-44	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0176	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0181*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Feb-45	10	188			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		May-44	Feb-45	10	188			0.0393	0.0297			
Truck Loading Dust	Tons of material being loaded per day	3,620	Dirt		May-44	Feb-45	10	188			0.0408	0.0062			
Truck Loading on site - idling	Number of Vehicles	181	20	15.08	May-44	Feb-45	10	188	0.0010	0.0006	0.0000	0.0000	0.0000	0.1257	0.0000
Trucks Traveling on site	Number of Vehicles	181	Paved	18.10	May-44	Feb-45	10	188	0.0009	0.0031	0.0008	0.0001	0.0001	0.8143	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0018*	*0.0038*	*0.0808*	*0.0360*	*0.0001*	*0.9400*	*0.0000*
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-45	Dec-46	17	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-45	Dec-46	17	370			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-45	Dec-46	17	370			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0064	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Aug-45	Dec-46	17	370	0.0000	0.0002	0.0000	0.0000	0.0000	0.0417	0.0000
				0.00	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0481*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Mar-48	15	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-47	Mar-48	15	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Mar-48	15	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0321	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0330*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Oct-47	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-47	Oct-47	10	196			0.0205	0.0155			
Truck Loading Dust	Tons of material being loaded per day	588	Dirt		Jan-47	Oct-47	10	196			0.0069	0.0010			
Truck Loading on site - idling	Number of Vehicles	49	12	4.08	Jan-47	Oct-47	10	196	0.0003	0.0002	0.0000	0.0000	0.0000	0.0355	0.0000
Trucks Traveling on site	Number of Vehicles	49	Paved	4.90	Jan-47	Oct-47	10	196	0.0002	0.0009	0.0002	0.0000	0.0000	0.2298	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0011*	*0.0276*	*0.0166*	*0.0000*	*0.2653*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Dec-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-47	Dec-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-47	Dec-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0176	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-47	Dec-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0181*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	May-48	8	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Oct-47	May-48	8	165			0.0108	0.0082			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-47	May-48	8	165			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0093	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0108*	*0.0082*	*0.0000*	*0.0096*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
Trucks Traveling to site	Number of Vehicles	9	66	Sep-42	Feb-43	6	109	0.0054	0.0190	0.0045	0.0007	0.0006	13.4780	0.0001
				Sep-42	Feb-43	6	109							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	109							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	109							
Totals								*0.0054*	*0.0190*	*0.0045*	*0.0007*	*0.0006*	*13.4780*	*0.0001*
Utility Relocation & Site Preparation														
				Feb-43	Feb-44	13	271							
				Feb-43	Feb-44	13	271							
				Feb-43	Feb-44	13	271							
				Feb-43	Feb-44	13	271							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-44	13	271							
Deliveries Traveling to site	Number of Vehicles	4	66	Feb-43	Feb-44	13	271	0.0005	0.0011	0.0009	0.0001	0.0001	3.4801	0.0000
				Feb-43	Feb-44	13	271							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-44	13	271	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-44	13	271							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4801*	*0.0000*
Shoring														
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
Trucks Traveling to site	Number of Vehicles	20	66	Sep-43	Mar-44	7	133	0.0121	0.0437	0.0103	0.0015	0.0013	31.0469	0.0003
				Sep-43	Mar-44	7	133							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-43	Mar-44	7	133	0.0004	0.0010	0.0008	0.0001	0.0001	3.1719	0.0000
				Sep-43	Mar-44	7	133							
Cement Trucks Traveling to site	Number of Vehicles	28	66	Sep-43	Mar-44	7	133	0.0170	0.0612	0.0145	0.0022	0.0018	43.4657	0.0004
				Sep-43	Mar-44	7	133							
Totals								*0.0295*	*0.1058*	*0.0257*	*0.0038*	*0.0032*	*77.6845*	*0.0007*
Shoring Cont.														
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking 12 weekends							*Prorated*							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	May-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	May-44	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Feb-44	May-44	4	36	0.0006	0.0015	0.0013	0.0001	0.0001	4.7182	0.0000
				Feb-44	May-44	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	May-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	May-44	4	36							
Totals								*0.0006*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.7182*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				May-44	Feb-45	10	188							
				May-44	Feb-45	10	188							
				May-44	Feb-45	10	188							
				May-44	Feb-45	10	188							
Trucks Traveling to site	Number of Vehicles	181	66	May-44	Feb-45	10	188	0.1053	0.3881	0.0926	0.0138	0.0111	275.9005	0.0025
				May-44	Feb-45	10	188							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Feb-45	10	188							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Feb-45	10	188	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Feb-45	10	188							
Totals								*0.1053*	*0.3881*	*0.0926*	*0.0138*	*0.0111*	*275.9005*	*0.0025*
Cast-in-place Station Box Structure														
				Aug-45	Dec-46	17	370							
				Aug-45	Dec-46	17	370							
				Aug-45	Dec-46	17	370							
				Aug-45	Dec-46	17	370							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-45	Dec-46	17	370							
Deliveries Traveling to site	Number of Vehicles	0	66	Aug-45	Dec-46	17	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-45	Dec-46	17	370							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Aug-45	Dec-46	17	370	0.0052	0.0197	0.0047	0.0007	0.0006	14.0269	0.0001
				Aug-45	Dec-46	17	370							
Totals								*0.0052*	*0.0197*	*0.0047*	*0.0007*	*0.0006*	*14.0269*	*0.0001*
MEP and Architectural finish work														
				Jan-47	Mar-48	15	320							
				Jan-47	Mar-48	15	320							
				Jan-47	Mar-48	15	320							
				Jan-47	Mar-48	15	320							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Mar-48	15	320							
Deliveries Traveling to site	Number of Vehicles	10	66	Jan-47	Mar-48	15	320	0.0010	0.0023	0.0024	0.0002	0.0001	7.9074	0.0001
				Jan-47	Mar-48	15	320							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Mar-48	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Mar-48	15	320							
Totals								*0.0010*	*0.0023*	*0.0024*	*0.0002*	*0.0001*	*7.9074*	*0.0001*
Backfill														
				Jan-47	Oct-47	10	196							
				Jan-47	Oct-47	10	196							
				Jan-47	Oct-47	10	196							
				Jan-47	Oct-47	10	196							
Trucks Traveling to site	Number of Vehicles	49	66	Jan-47	Oct-47	10	196	0.0273	0.1079	0.0261	0.0039	0.0029	76.6100	0.0007
				Jan-47	Oct-47	10	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Oct-47	10	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Oct-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Oct-47	10	196							
Totals								*0.0273*	*0.1079*	*0.026*	*0.0039*	*0.0029*	*76.6100*	*0.0007*
Decking Removal - 12 weekends							*Prorated*							
				Sep-47	Dec-47	4	36							
				Sep-47	Dec-47	4	36							
				Sep-47	Dec-47	4	36							
				Sep-47	Dec-47	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-47	Dec-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Dec-47	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Sep-47	Dec-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Sep-47	Dec-47	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-47	Dec-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Dec-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration														
				Oct-47	May-48	8	165							
				Oct-47	May-48	8	165							
				Oct-47	May-48	8	165							
				Oct-47	May-48	8	165							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	May-48	8	165							
Deliveries Traveling to site	Number of Vehicles	3	66	Oct-47	May-48	8	165	0.0003	0.0007	0.0007	0.0001	0.0000	2.2935	0.0000
				Oct-47	May-48	8	165							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	May-48	8	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	May-48	8	165							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2935*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	3	0.38	0.50	8	4	12	2/12/2041	10/12/2041	9	174	0.019	0.014	0.000	0.000	0.000	8.1	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.75	8	6	18	2/12/2041	10/12/2041	9	174	0.093	0.007	0.000	0.000	0.001	28.2	0.000
Bobcat-175	Fleet Average	125	Diesel	3	0.56	0.50	8	4	12	2/12/2041	10/12/2041	9	174	0.103	0.009	0.001	0.000	0.005	16.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.215*	*0.030*	*0.001*	*0.001*	*0.007*	*53*	*0.001*
Utility Relcoation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.016	0.002	0.000	0.000	0.000	11.1	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.015	0.012	0.000	0.000	0.001	2.4	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.019	0.004	0.000	0.000	0.003	8.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/28/2041	5/5/2042	9	156	0.009	0.001	0.000	0.000	0.000	2.8	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	9/28/2041	5/5/2042	9	156	0.015	0.001	0.000	0.000	0.001	2.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.074*	*0.019*	*0.001*	*0.000*	*0.005*	*27*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	10/8/2041	2/8/2042	5	FALSE	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	10/8/2041	2/8/2042	5	89	0.202	0.020	0.001	0.001	0.004	79.3	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	10/8/2041	2/8/2042	5	89	0.025	0.002	0.000	0.000	0.000	10.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.036	0.009	0.001	0.000	0.005	18.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.024	0.003	0.000	0.000	0.001	3.9	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	10/8/2041	2/8/2042	5	89	0.021	0.002	0.000	0.000	0.001	3.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	10/8/2041	2/8/2042	5	89	0.013	0.010	0.000	0.000	0.000	6.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.320*	*0.045*	*0.002*	*0.002*	*0.011*	*123*	*0.001*
Decking - 4 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (12/21)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.005	0.001	0.000	0.000	0.000	3.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.006	0.001	0.000	0.000	0.000	4.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.002	0.001	0.000	0.000	0.000	0.3	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	1/8/2042	2/5/2042	2	21	0.012	0.001	0.000	0.000	0.000	7.2	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	1/8/2042	2/5/2042	2	21	0.004	0.000	0.000	0.000	0.000	0.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.029*	*0.004*	*0.000*	*0.000*	*0.001*	*16*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/5/2042	4/20/2043	15	314	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/5/2042	4/20/2043	15	314	0.029	0.047	0.001	0.001	0.001	15.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.019	0.002	0.000	0.000	0.000	13.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.019	0.021	0.001	0.001	0.001	6.7	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/5/2042	4/20/2043	15	314	0.020	0.026	0.001	0.001	0.001	8.4	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.020	0.004	0.000	0.000	0.003	9.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/5/2042	4/20/2043	15	314	0.000	0.000	0.000	0.000	0.000	9.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.008	0.006	0.000	0.000	0.000	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/5/2042	4/20/2043	15	314	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2042	4/20/2043	15	314	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.137*	*0.108*	*0.003*	*0.003*	*0.007*	*78*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/15/2042	8/11/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*ROW 84 MODIFIED TO REFLECT 6 DAYS ONLY*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/24/2043	4/20/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/24/2043	4/20/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.051	0.004	0.000	0.000	0.001	15.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	4/21/2043	3/7/2044	12	230	0.037	0.004	0.000	0.000	0.001	20.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	53.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.106*	*0.009*	*0.000*	*0.000*	*0.002*	*119*	*0.000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	55.9	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.079	0.115	0.003	0.002	0.003	32.7	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	4/21/2043	3/7/2044	12	230	0.040	0.004	0.000	0.000	0.001	22.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.138*	*0.133*	*0.003*	*0.003*	*0.005*	*116*	*0.001*
TBM Reassembly														*ROW 120 MODIFIED TO REFLECT 6 DAYS ONLY*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	5/3/2044	6/27/2044	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	6/28/2044	7/31/2045	14	285	0.019	0.002	0.000	0.000	0.000	13.5	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	6/28/2044	7/31/2045	14	285	0.054	0.004	0.000	0.000	0.001	16.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	6/28/2044	7/31/2045	14	285	0.039	0.004	0.000	0.000	0.001	21.5	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	3.6	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	57.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	4.5	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Construction Equipment Total				*13*										*0.113*	*0.010*	*0.000*	*0.000*	*0.002*	*127*	*0.000*
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)-continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	1.2	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	59.4	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	6/28/2044	7/31/2045	14	285	0.084	0.122	0.003	0.003	0.003	34.7	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	6/28/2044	7/31/2045	14	285	0.021	0.015	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	6/28/2044	7/31/2045	14	285	0.042	0.004	0.000	0.000	0.001	24.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	7/31/2045	14	285	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.147*	*0.141*	*0.003*	*0.003*	*0.006*	*123*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	5/3/2044	9/10/2046	29	615	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	5/3/2044	9/10/2046	29	615	0.007	0.001	0.000	0.000	0.000	3.6	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	5/3/2044	9/10/2046	29	615	0.021	0.027	0.001	0.001	0.001	9.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	5/3/2044	9/10/2046	29	615	0.003	0.004	0.000	0.000	0.000	1.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	5/3/2044	9/10/2046	29	615	0.011	0.008	0.000	0.000	0.001	1.5	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.047*	*0.040*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	14.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	9/10/2046	29	615	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/13/2045	8/30/2049	51	1,100	0.004	0.000	0.000	0.000	0.000	2.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/13/2045	8/30/2049	51	1,100	0.023	0.002	0.000	0.000	0.000	7.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/13/2045	8/30/2049	51	1,100	0.179	0.018	0.001	0.001	0.003	102.8	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	8/30/2049	51	1,100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.206*	*0.020*	*0.001*	*0.001*	*0.004*	*115*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place station box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	8/16/2046	12/16/2047	17	348	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/16/2046	12/16/2047	17	348	0.015	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	8/16/2046	12/16/2047	17	348	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	9.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/16/2046	12/16/2047	17	348	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2046	12/16/2047	17	348	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/17/2047	1/4/2049	14	275	0.015	0.001	0.000	0.000	0.000	7.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	12/17/2047	1/4/2049	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	12/17/2047	1/4/2049	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	12/17/2047	1/4/2049	14	275	0.042	0.003	0.000	0.000	0.001	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	1/4/2049	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.135*	*0.020*	*0.001*	*0.001*	*0.013*	*56*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	3.1	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	12/17/2047	6/16/2048	7	131	0.016	0.002	0.000	0.000	0.000	8.5	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	12/17/2047	6/16/2048	7	131	0.024	0.002	0.000	0.000	0.001	4.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	12/17/2047	6/16/2048	7	131	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/17/2047	6/16/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.047*	*0.009*	*0.000*	*0.000*	*0.002*	*19*	*0.000*
Decking removal - 4 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (12/21)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/2/2048	6/30/2048	1	21	0.011	0.001	0.000	0.000	0.000	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	6/2/2048	6/30/2048	1	21	0.011	0.001	0.000	0.000	0.000	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	6/2/2048	6/30/2048	1	21	0.013	0.011	0.000	0.000	0.001	2.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	6/2/2048	6/30/2048	1	21	0.023	0.002	0.000	0.000	0.000	13.1	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	6/2/2048	6/30/2048	1	21	0.054	0.004	0.000	0.000	0.003	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	6/30/2048	1	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	6/30/2048	1	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	6/30/2048	1	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/2/2048	6/30/2048	1	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	6/30/2048	1	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.113*	*0.020*	*0.001*	*0.001*	*0.005*	*40*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	6/16/2048	3/1/2049	10	185	0.035	0.004	0.000	0.000	0.001	24.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	6/16/2048	3/1/2049	10	185	0.031	0.003	0.000	0.000	0.001	16.8	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	6/16/2048	3/1/2049	10	185	0.038	0.009	0.001	0.000	0.005	17.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/16/2048	3/1/2049	10	185	0.037	0.008	0.001	0.000	0.006	16.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/16/2048	3/1/2049	10	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.141*	*0.023*	*0.001*	*0.001*	*0.012*	*76*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Oct-41	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Feb-41	Oct-41	9	174			0.0303	0.0229			
Truck Loading Dust	Tons of material being loaded per day	228	Aggregate		Feb-41	Oct-41	9	174			0.0026	0.0004			
Truck Loading on site - idling	Number of Vehicles	19	12	1.58	Feb-41	Oct-41	9	174	0.0001	0.0001	0.0000	0.0000	0.0000	0.0136	0.0000
Trucks Traveling on site	Number of Vehicles	19	Paved	1.90	Feb-41	Oct-41	9	174	0.0001	0.0003	0.0000	0.0000	0.0000	0.0879	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0329*	*0.0233*	*0.0000*	*0.1015*	*0.0000*
Utility Relcoation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-41	May-42	9	156			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-41	May-42	9	156			0.0194	0.0115			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-41	May-42	9	156			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0194*	*0.0115*	*0.0000*	*0.0107*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-41	Feb-42	5	89			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Oct-41	Feb-42	5	89			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Oct-41	Feb-42	5	89			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Oct-41	Feb-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0213	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Oct-41	Feb-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0298	0.0000
				0.00	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0206*	*0.0119*	*0.0000*	*0.0618*	*0.0000*
Decking - 4 Weekends									*Emissions prorated for weekend work - mulitplied by 12/21*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Feb-42	2	21			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Feb-42	2	21			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Feb-42	2	21			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0113	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0116*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Apr-43	15	314			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-42	Apr-43	15	314			0.0469	0.0277			
Truck Loading Dust	Tons of material being loaded per day	1,180	Dirt		Feb-42	Apr-43	15	314			0.0013	0.0002			
Truck Loading on site - idling	Number of Vehicles	59	20	4.92	Feb-42	Apr-43	15	314	0.0004	0.0002	0.0000	0.0000	0.0000	0.0457	0.0000
Trucks Traveling on site	Number of Vehicles	59	Paved	5.90	Feb-42	Apr-43	15	314	0.0003	0.0011	0.0001	0.0000	0.0000	0.2920	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0014*	*0.0483*	*0.0279*	*0.0001*	*0.3377*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Aug-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Apr-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Mar-44	12	230			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Apr-43	Mar-44	12	230			0.0134	0.0079			
Truck Loading Dust	Tons of material being loaded per day	1,900	Dirt		Apr-43	Mar-44	12	230			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	95	20	7.92	Apr-43	Mar-44	12	230	0.0005	0.0003	0.0000	0.0000	0.0000	0.0674	0.0000
Trucks Traveling on site	Number of Vehicles	95	Paved	9.50	Apr-43	Mar-44	12	230	0.0004	0.0016	0.0001	0.0000	0.0001	0.4261	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0453	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0020*	*0.0155*	*0.0082*	*0.0001*	*0.5401*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Mar-44	12	230			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Mar-44	12	230			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Mar-44	12	230			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Jun-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0055*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Jul-45	14	285			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jun-44	Jul-45	14	285			0.0143	0.0084			
Truck Loading Dust	Tons of material being loaded per day	1,420	Dirt		Jun-44	Jul-45	14	285			0.0016	0.0002			
Truck Loading on site - idling	Number of Vehicles	71	20	5.92	Jun-44	Jul-45	14	285	0.0004	0.0003	0.0000	0.0000	0.0000	0.0536	0.0000
Trucks Traveling on site	Number of Vehicles	71	Paved	7.10	Jun-44	Jul-45	14	285	0.0003	0.0013	0.0001	0.0000	0.0000	0.3352	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0465	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0016*	*0.0159*	*0.0087*	*0.0001*	*0.4366*	*0.0000*
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)-continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Jul-45	14	285			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-44	Jul-45	14	285			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-44	Jul-45	14	285			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Sep-46	29	615			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		May-44	Sep-46	29	615			0.0267	0.0158			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		May-44	Sep-46	29	615			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0268*	*0.0158*	*0.0000*	*0.0114*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Sep-46	29	615			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Sep-46	29	615			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Sep-46	29	615			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Aug-49	51	1100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-45	Aug-49	51	1100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Aug-49	51	1100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0202*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place station box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Dec-47	17	348			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Dec-47	17	348			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Dec-47	17	348			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Aug-46	Dec-47	17	348	0.0000	0.0001	0.0000	0.0000	0.0000	0.0374	0.0000
				0.00	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0436*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-47	Jan-49	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-47	Jan-49	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-47	Jan-49	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0242	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0249*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-47	Jun-48	7	131			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-47	Jun-48	7	131			0.0210	0.0124			
Truck Loading Dust	Tons of material being loaded per day	744	Dirt		Dec-47	Jun-48	7	131			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	62	12	5.17	Dec-47	Jun-48	7	131	0.0003	0.0002	0.0000	0.0000	0.0000	0.0435	0.0000
Trucks Traveling on site	Number of Vehicles	62	Paved	6.20	Dec-47	Jun-48	7	131	0.0002	0.0010	0.0000	0.0000	0.0000	0.2638	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0013*	*0.0218*	*0.0125*	*0.0001*	*0.3074*	*0.0000*
Decking removal - 4 weekends									*Emissions prorated for weekend work - mulitplied by 12/21*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-48	Jun-48	1	21			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-48	Jun-48	1	21			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-48	Jun-48	1	21			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-48	Jun-48	1	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0193*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-48	Mar-49	10	185			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-48	Mar-49	10	185			0.0207	0.0122			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-48	Mar-49	10	185			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0134	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0207*	*0.0122*	*0.0000*	*0.0137*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
Trucks Traveling to site	Number of Vehicles	19	66	Feb-41	Oct-41	9	174	0.0125	0.0430	0.0100	0.0015	0.0013	30.6019	0.0003
				Feb-41	Oct-41	9	174							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Oct-41	9	174							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Oct-41	9	174							
Totals								*0.0125*	*0.0430*	*0.0100*	*0.0015*	*0.0013*	*30.6019*	*0.0003*
Utility Relcoation & Site Preparation														
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	May-42	9	156							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-41	May-42	9	156	0.0004	0.0010	0.0008	0.0001	0.0001	3.1264	0.0000
				Sep-41	May-42	9	156							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	May-42	9	156							
Totals								*0.0004*	*0.0010*	*0.0008*	*0.0001*	*0.0001*	*3.1264*	*0.0000*
Shoring														
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
Trucks Traveling to site	Number of Vehicles	5	66	Oct-41	Feb-42	5	89	0.0030	0.0104	0.0024	0.0004	0.0003	7.4144	0.0001
				Oct-41	Feb-42	5	89							
Deliveries Traveling to site	Number of Vehicles	1	66	Oct-41	Feb-42	5	89	0.0001	0.0003	0.0002	0.0000	0.0000	0.8026	0.0000
				Oct-41	Feb-42	5	89							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Oct-41	Feb-42	5	89	0.0043	0.0146	0.0034	0.0005	0.0005	10.3802	0.0001
				Oct-41	Feb-42	5	89							
Totals								*0.0074*	*0.0253*	*0.0060*	*0.0009*	*0.0008*	*18.5973*	*0.0002*
Decking - 4 Weekends							*Prorated*							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	12							
Deliveries Traveling to site	Number of Vehicles	13	66	Jan-42	Feb-42	2	12	0.0005	0.0011	0.0009	0.0001	0.0001	3.3788	0.0000
				Jan-42	Feb-42	2	12							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	12							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.3788*	*0.0000*
Excavation														
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
Trucks Traveling to site	Number of Vehicles	59	66	Feb-42	Apr-43	15	314	0.0407	0.1432	0.0336	0.0050	0.0043	101.8118	0.0009
				Feb-42	Apr-43	15	314							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Apr-43	15	314							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Apr-43	15	314							
Totals								*0.0407*	*0.1432*	*0.0336*	*0.0050*	*0.0043*	*101.8118*	*0.0009*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Deliveries Traveling to site	Number of Vehicles	6	66	Jul-42	Aug-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Jul-42	Aug-42	2	20							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-43	Apr-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Feb-43	Apr-43	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)														
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
Trucks Traveling to site	Number of Vehicles	95	66	Apr-43	Mar-44	12	230	0.0581	0.2093	0.0496	0.0074	0.0062	148.7665	0.0013
				Apr-43	Mar-44	12	230							
Deliveries Traveling to site	Number of Vehicles	17	66	Apr-43	Mar-44	12	230	0.0018	0.0043	0.0036	0.0004	0.0003	13.5989	0.0001
				Apr-43	Mar-44	12	230							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Totals								*0.0600*	*0.2136*	*0.0532*	*0.0078*	*0.0064*	*162.3654*	*0.0015*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued														
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Deliveries Traveling to site	Number of Vehicles	2	66	May-44	Jun-44	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.6131	0.0000
				May-44	Jun-44	2	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.6131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)														
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
Trucks Traveling to site	Number of Vehicles	71	66	Jun-44	Jul-45	14	285	0.0447	0.1649	0.0393	0.0059	0.0047	117.1902	0.0011
				Jun-44	Jul-45	14	285							
Deliveries Traveling to site	Number of Vehicles	17	66	Jun-44	Jul-45	14	285	0.0018	0.0043	0.0038	0.0004	0.0003	13.9559	0.0001
				Jun-44	Jul-45	14	285							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jul-45	14	285							
Totals								*0.0466*	*0.1692*	*0.0432*	*0.0062*	*0.0050*	*131.1461*	*0.0012*
Bore Tunnels from Midtown Crossing to Fairfax/Wilshire (FW)-continued														
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
				Jun-44	Jul-45	14	285							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jul-45	14	285							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jul-45	14	285							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Jul-45	14	285	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jul-45	14	285							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
Trucks Traveling to site	Number of Vehicles	1	66	May-44	Sep-46	29	615	0.0007	0.0024	0.0006	0.0001	0.0001	1.7195	0.0000
				May-44	Sep-46	29	615							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Sep-46	29	615							
Cement Trucks Traveling to site	Number of Vehicles	1	66	May-44	Sep-46	29	615	0.0007	0.0024	0.0006	0.0001	0.0001	1.7195	0.0000
				May-44	Sep-46	29	615							
Totals								*0.0013*	*0.0048*	*0.0012*	*0.0002*	*0.0001*	*3.4389*	*0.0000*
Crosspassage - Continued														
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
				May-44	Sep-46	29	615							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Sep-46	29	615							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Sep-46	29	615							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Sep-46	29	615	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Sep-46	29	615							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-45	Aug-49	51	1100							
				Jun-45	Aug-49	51	1100							
				Jun-45	Aug-49	51	1100							
				Jun-45	Aug-49	51	1100							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Aug-49	51	1100							
Deliveries Traveling to site	Number of Vehicles	7	66	Jun-45	Aug-49	51	1100	0.0008	0.0018	0.0017	0.0002	0.0001	5.9019	0.0001
				Jun-45	Aug-49	51	1100							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Aug-49	51	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Aug-49	51	1100							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.9019*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place station box structure														
				Aug-46	Dec-47	17	348							
				Aug-46	Dec-47	17	348							
				Aug-46	Dec-47	17	348							
				Aug-46	Dec-47	17	348							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Dec-47	17	348							
Deliveries Traveling to site	Number of Vehicles	0	66	Aug-46	Dec-47	17	348	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Dec-47	17	348							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Aug-46	Dec-47	17	348	0.0048	0.0185	0.0045	0.0007	0.0005	13.1219	0.0001
				Aug-46	Dec-47	17	348							
Totals								*0.0048*	*0.0185*	*0.0045*	*0.0007*	*0.0005*	*13.1219*	*0.0001*
MEP and Architectural finish work														
				Dec-47	Jan-49	14	275							
				Dec-47	Jan-49	14	275							
				Dec-47	Jan-49	14	275							
				Dec-47	Jan-49	14	275							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Jan-49	14	275							
Deliveries Traveling to site	Number of Vehicles	10	66	Dec-47	Jan-49	14	275	0.0009	0.0021	0.0022	0.0002	0.0001	7.2808	0.0001
				Dec-47	Jan-49	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Jan-49	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Jan-49	14	275							
Totals								*0.0009*	*0.0021*	*0.0022*	*0.0002*	*0.0001*	*7.2808*	*0.0001*
Backfill														
				Dec-47	Jun-48	7	131							
				Dec-47	Jun-48	7	131							
				Dec-47	Jun-48	7	131							
				Dec-47	Jun-48	7	131							
Trucks Traveling to site	Number of Vehicles	62	66	Dec-47	Jun-48	7	131	0.0329	0.1304	0.0315	0.0047	0.0034	92.5547	0.0008
				Dec-47	Jun-48	7	131							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Jun-48	7	131							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Jun-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Jun-48	7	131							
Totals								*0.0329*	*0.1304*	*0.0315*	*0.0047*	*0.0034*	*92.5547*	*0.0008*
Decking removal - 4 weekends							*Prorated*							
				Jun-48	Jun-48	1	12							
				Jun-48	Jun-48	1	12							
				Jun-48	Jun-48	1	12							
				Jun-48	Jun-48	1	12							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	Jun-48	1	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Jun-48	1	12							
Deliveries Traveling to site	Number of Vehicles	13	66	Jun-48	Jun-48	1	12	0.0007	0.0016	0.0017	0.0002	0.0001	5.6557	0.0001
				Jun-48	Jun-48	1	12							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	Jun-48	1	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Jun-48	1	12							
Totals								*0.0007*	*0.0016*	*0.0017*	*0.0002*	*0.0001*	*5.6557*	*0.0001*
Surface Restoration														
				Jun-48	Mar-49	10	185							
				Jun-48	Mar-49	10	185							
				Jun-48	Mar-49	10	185							
				Jun-48	Mar-49	10	185							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Mar-49	10	185							
Deliveries Traveling to site	Number of Vehicles	6	66	Jun-48	Mar-49	10	185	0.0005	0.0012	0.0012	0.0001	0.0001	4.0243	0.0000
				Jun-48	Mar-49	10	185							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	Mar-49	10	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Mar-49	10	185							
Totals								*0.0005*	*0.0012*	*0.0012*	*0.0001*	*0.0001*	*4.0243*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/30/2041	1/30/2042	7	133	0.006	0.005	0.000	0.000	0.000	2.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/30/2041	1/30/2042	7	133	0.030	0.002	0.000	0.000	0.000	9.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/30/2041	1/30/2042	7	133	0.034	0.003	0.000	0.000	0.002	5.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.070*	*0.010*	*0.000*	*0.000*	*0.002*	*17*	*0.000*
Utility Relcoation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.021	0.004	0.000	0.000	0.003	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/15/2042	9/22/2042	9	179	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/15/2042	9/22/2042	9	179	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.085*	*0.022*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	5/6/2042	9/6/2042	5	89	0.025	0.003	0.000	0.000	0.000	17.8	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	5/6/2042	9/6/2042	5	89	0.202	0.020	0.001	0.001	0.004	79.3	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	5/6/2042	9/6/2042	5	89	0.025	0.002	0.000	0.000	0.000	10.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.036	0.009	0.001	0.000	0.005	18.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.024	0.003	0.000	0.000	0.001	3.9	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	5/6/2042	9/6/2042	5	89	0.021	0.002	0.000	0.000	0.001	3.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	5/6/2042	9/6/2042	5	89	0.013	0.010	0.000	0.000	0.000	6.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.346*	*0.048*	*0.002*	*0.002*	*0.012*	*141*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0034	0.0027	0.0000	0.0000	0.0002	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	8/6/2042	10/29/2042	3	61	0.0249	0.0025	0.0001	0.0001	0.0005	14.3	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	8/6/2042	10/29/2042	3	61	0.0083	0.0007	0.0001	0.0001	0.0004	1.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.059*	*0.008*	*0.000*	*0.000*	*0.001*	*32*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/29/2042	6/29/2043	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/29/2042	6/29/2043	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.002	0.000	0.000	0.000	12.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.020	0.001	0.001	0.001	6.2	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/29/2042	6/29/2043	9	174	0.019	0.024	0.001	0.001	0.001	7.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/29/2042	6/29/2043	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/29/2042	6/29/2043	9	174	0.010	0.001	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/29/2042	6/29/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.126*	*0.099*	*0.003*	*0.003*	*0.006*	*72*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/27/2044	2/19/2046	15	300	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/27/2044	2/19/2046	15	300	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/20/2046	2/18/2047	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.043	0.003	0.000	0.000	0.001	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.137*	*0.021*	*0.001*	*0.001*	*0.014*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	3.1	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.016	0.002	0.000	0.000	0.000	8.4	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.024	0.002	0.000	0.000	0.001	4.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.007	0.005	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.009*	*0.000*	*0.000*	*0.002*	*19*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	8/6/2046	10/29/2046	3	61	0.0134	0.0106	0.0000	0.0000	0.0007	2.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0229	0.0023	0.0001	0.0001	0.0004	13.1	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	8/6/2046	10/29/2046	3	61	0.0541	0.0045	0.0003	0.0003	0.0031	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.113*	*0.020*	*0.001*	*0.001*	*0.005*	*40*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.016	0.002	0.000	0.000	0.000	8.6	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.020	0.004	0.000	0.000	0.003	9.2	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.019	0.004	0.000	0.000	0.003	8.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.073*	*0.012*	*0.001*	*0.001*	*0.006*	*39*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-41	Jan-42	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-41	Jan-42	7	133			0.0099	0.0075			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-41	Jan-42	7	133			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-41	Jan-42	7	133	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0076*	*0.0000*	*0.0210*	*0.0000*
Utility Relcoation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Sep-42	9	179			0.0223	0.0132			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Sep-42	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0115	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0223*	*0.0132*	*0.0000*	*0.0118*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-42	Sep-42	5	89			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-42	Sep-42	5	89			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		May-42	Sep-42	5	89			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	May-42	Sep-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0210	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	May-42	Sep-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0295	0.0000
				0.00	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0206*	*0.0119*	*0.0000*	*0.0610*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-42	Oct-42	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-42	Oct-42	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-42	Oct-42	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0226	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0231*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jun-43	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-42	Jun-43	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt		Oct-42	Jun-43	9	174			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	96	20	8.00	Oct-42	Jun-43	9	174	0.0005	0.0003	0.0000	0.0000	0.0000	0.0686	0.0000
Trucks Traveling on site	Number of Vehicles	96	Paved	9.60	Oct-42	Jun-43	9	174	0.0005	0.0017	0.0001	0.0000	0.0001	0.4388	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0020*	*0.0454*	*0.0259*	*0.0001*	*0.5075*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Feb-46	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Feb-46	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Feb-46	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-44	Feb-46	15	300	0.0000	0.0001	0.0000	0.0000	0.0000	0.0371	0.0000
				0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0430*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-46	Feb-47	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-46	Feb-47	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-46	Feb-47	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0253	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0260*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-46	Aug-46	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-46	Aug-46	7	130			0.0208	0.0123			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Feb-46	Aug-46	7	130			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	50	12	4.17	Feb-46	Aug-46	7	130	0.0003	0.0002	0.0000	0.0000	0.0000	0.0347	0.0000
Trucks Traveling on site	Number of Vehicles	50	Paved	5.00	Feb-46	Aug-46	7	130	0.0002	0.0008	0.0000	0.0000	0.0000	0.2123	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0215*	*0.0124*	*0.0000*	*0.2470*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Oct-46	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Oct-46	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Oct-46	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Apr-47	9	171			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Aug-46	Apr-47	9	171			0.0107	0.0063			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Apr-47	9	171			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0072	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0107*	*0.0063*	*0.0000*	*0.0074*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
Trucks Traveling to site	Number of Vehicles	4	66	Jul-41	Jan-42	7	133	0.0026	0.0089	0.0021	0.0003	0.0003	6.3314	0.0001
				Jul-41	Jan-42	7	133							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	133							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	133							
Totals								*0.0026*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3314*	*0.0001*
Utility Relcoation & Site Preparation														
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	179							
Deliveries Traveling to site	Number of Vehicles	4	66	Jan-42	Sep-42	9	179	0.0005	0.0011	0.0009	0.0001	0.0001	3.4462	0.0000
				Jan-42	Sep-42	9	179							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	179							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4462*	*0.0000*
Shoring														
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
Trucks Traveling to site	Number of Vehicles	5	66	May-42	Sep-42	5	89	0.0029	0.0103	0.0024	0.0004	0.0003	7.3366	0.0001
				May-42	Sep-42	5	89							
Deliveries Traveling to site	Number of Vehicles	1	66	May-42	Sep-42	5	89	0.0001	0.0003	0.0002	0.0000	0.0000	0.7711	0.0000
				May-42	Sep-42	5	89							
Cement Trucks Traveling to site	Number of Vehicles	7	66	May-42	Sep-42	5	89	0.0041	0.0144	0.0034	0.0005	0.0004	10.2713	0.0001
				May-42	Sep-42	5	89							
Totals								*0.0072*	*0.0250*	*0.0060*	*0.0009*	*0.0008*	*18.3790*	*0.0002*
Decking 12 weekends							*PRORATED*							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Oct-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Oct-42	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-42	Oct-42	3	36	0.0009	0.0022	0.0017	0.0002	0.0001	6.7577	0.0001
				Aug-42	Oct-42	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Oct-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Oct-42	3	36							
Totals								*0.0009*	*0.0022*	*0.0017*	*0.0002*	*0.0001*	*6.7577*	*0.0001*
Excavation														
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
Trucks Traveling to site	Number of Vehicles	96	66	Oct-42	Jun-43	9	174	0.0612	0.2152	0.0506	0.0075	0.0065	152.9979	0.0014
				Oct-42	Jun-43	9	174							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Totals								*0.0612*	*0.2152*	*0.0506*	*0.0075*	*0.0065*	*152.9979*	*0.0014*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Feb-46	15	300							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Feb-46	15	300							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Dec-44	Feb-46	15	300	0.0050	0.0183	0.0044	0.0006	0.0005	12.9729	0.0001
				Dec-44	Feb-46	15	300							
Totals								*0.0050*	*0.0183*	*0.0044*	*0.0006*	*0.0005*	*12.9729*	*0.0001*
MEP and Architectural finish work														
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Feb-47	13	260							
Deliveries Traveling to site	Number of Vehicles	10	66	Feb-46	Feb-47	13	260	0.0010	0.0023	0.0022	0.0002	0.0001	7.6015	0.0001
				Feb-46	Feb-47	13	260							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Feb-47	13	260							
Totals								*0.0010*	*0.0023*	*0.0022*	*0.0002*	*0.0001*	*7.6015*	*0.0001*
Backfill														
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
Trucks Traveling to site	Number of Vehicles	50	66	Feb-46	Aug-46	7	130	0.0271	0.1047	0.0252	0.0037	0.0028	74.4032	0.0007
				Feb-46	Aug-46	7	130							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Aug-46	7	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Aug-46	7	130							
Totals								*0.0271*	*0.1047*	*0.0252*	*0.0037*	*0.0028*	*74.4032*	*0.0007*
Decking Removal - 12 weekends							*PRORATED*							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Oct-46	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Oct-46	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-46	Oct-46	3	36	0.0008	0.0018	0.0017	0.0002	0.0001	5.9291	0.0001
				Aug-46	Oct-46	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Oct-46	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Oct-46	3	36							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.9291*	*0.0001*
Surface Restoration														
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Apr-47	9	171							
Deliveries Traveling to site	Number of Vehicles	3	66	Aug-46	Apr-47	9	171	0.0003	0.0006	0.0006	0.0001	0.0000	2.1664	0.0000
				Aug-46	Apr-47	9	171							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Apr-47	9	171							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.1664*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	5/6/2042	9/3/2042	5	87	0.006	0.004	0.000	0.000	0.000	2.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	5/6/2042	9/3/2042	5	87	0.028	0.002	0.000	0.000	0.000	8.5	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	5/6/2042	9/3/2042	5	87	0.031	0.003	0.000	0.000	0.002	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.065*	*0.009*	*0.000*	*0.000*	*0.002*	*16*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.017	0.015	0.000	0.000	0.001	2.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.022	0.004	0.000	0.000	0.003	10.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/3/2042	2/23/2043	6	124	0.011	0.001	0.000	0.000	0.000	3.4	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	9/3/2042	2/23/2043	6	124	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.088*	*0.023*	*0.001*	*0.001*	*0.006*	*33*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/2/2042	2/2/2043	3	45	0.021	0.002	0.000	0.000	0.000	15.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/2/2042	2/2/2043	3	45	0.113	0.011	0.000	0.000	0.002	44.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	12/2/2042	2/2/2043	3	45	0.011	0.001	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.015	0.004	0.000	0.000	0.002	7.6	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.010	0.001	0.000	0.000	0.000	1.7	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.018	0.002	0.000	0.000	0.001	2.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	12/2/2042	2/2/2043	3	45	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.193*	*0.025*	*0.001*	*0.001*	*0.006*	*80*	*0.001*
Decking - 3 Weekends														*Modified to reflect weekend only (multiplied by 9/18)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/2/2043	2/25/2043	1	18	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/2/2043	2/25/2043	1	18	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.044*	*0.006*	*0.000*	*0.000*	*0.001*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/25/2043	9/21/2043	8	149	0.009	0.001	0.000	0.000	0.000	6.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/25/2043	9/21/2043	8	149	0.026	0.042	0.001	0.001	0.001	14.0	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.017	0.002	0.000	0.000	0.000	11.9	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.017	0.019	0.001	0.001	0.001	6.0	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/25/2043	9/21/2043	8	149	0.018	0.023	0.001	0.001	0.001	7.5	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.018	0.003	0.000	0.000	0.002	8.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/25/2043	9/21/2043	8	149	0.000	0.000	0.000	0.000	0.000	8.7	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.007	0.005	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/25/2043	9/21/2043	8	149	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2043	9/21/2043	8	149	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.122*	*0.096*	*0.003*	*0.003*	*0.006*	*69*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Disassembly of TBM and Relocate														*Updated emissions on crane to reflect 6 days of work (divided by 6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	3/8/2044	5/2/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	3/8/2044	5/2/2044	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/8/2044	5/2/2044	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place connection structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/8/2044	12/26/2044	10	210	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.016	0.001	0.000	0.000	0.000	8.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.016	0.002	0.000	0.000	0.000	9.4	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	9.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/8/2044	12/26/2044	10	210	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.053*	*0.005*	*0.000*	*0.000*	*0.001*	*40*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/27/2044	8/7/2045	9	160	0.013	0.001	0.000	0.000	0.000	7.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.002	0.000	0.000	0.001	4.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.002	0.000	0.000	0.001	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.001	0.000	0.000	0.000	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.041*	*0.005*	*0.000*	*0.000*	*0.003*	*18*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.013	0.001	0.000	0.000	0.000	6.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.019	0.002	0.000	0.000	0.001	3.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.037*	*0.007*	*0.000*	*0.000*	*0.001*	*15*	*0.000*
Decking Removal - 3 weekends														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0041	0.0004	0.0000	0.0000	0.0001	2.9	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0043	0.0004	0.0000	0.0000	0.0001	3.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	5/22/2045	6/12/2045	2	16	0.0050	0.0040	0.0000	0.0000	0.0003	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0086	0.0009	0.0000	0.0000	0.0002	4.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	5/22/2045	6/12/2045	2	16	0.0203	0.0017	0.0001	0.0001	0.0012	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.042*	*0.007*	*0.000*	*0.000*	*0.002*	*15*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.008	0.001	0.000	0.000	0.000	5.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.007	0.001	0.000	0.000	0.000	3.9	0.000
Roller -300	Fleet Average	210	Diesel	1	0.31	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.009	0.002	0.000	0.000	0.001	4.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.009	0.002	0.000	0.000	0.001	3.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.033*	*0.005*	*0.000*	*0.000*	*0.003*	*18*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-42	Sep-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		May-42	Sep-42	5	87			0.0091	0.0069			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		May-42	Sep-42	5	87			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0093*	*0.0069*	*0.0000*	*0.0095*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Feb-43	6	124			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Sep-42	Feb-43	6	124			0.0216	0.0163			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-42	Feb-43	6	124			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0216*	*0.0163*	*0.0000*	*0.0123*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-42	Feb-43	3	45			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Dec-42	Feb-43	3	45			0.0084	0.0050			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-42	Feb-43	3	45			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-42	Feb-43	3	45	0.0000	0.0001	0.0000	0.0000	0.0000	0.0177	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-42	Feb-43	3	45	0.0000	0.0001	0.0000	0.0000	0.0000	0.0248	0.0000
				0.00	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0090*	*0.0050*	*0.0000*	*0.0514*	*0.0000*
Decking - 3 Weekends									*Emissions prorated for weekend work - mulitplied by 9/18*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Feb-43	1	18			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Aggregate		Feb-43	Feb-43	1	18			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-43	Feb-43	1	18			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	5		0.42	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	0.50	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0064*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Sep-43	8	149			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-43	Sep-43	8	149			0.0418	0.0246			
Truck Loading Dust	Tons of material being loaded per day	120	Dirt		Feb-43	Sep-43	8	149			0.0001	0.0000			
Truck Loading on site - idling	Number of Vehicles	10	12	0.83	Feb-43	Sep-43	8	149	0.0001	0.0000	0.0000	0.0000	0.0000	0.0069	0.0000
Trucks Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-43	Sep-43	8	149	0.0000	0.0002	0.0000	0.0000	0.0000	0.0436	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0419*	*0.0247*	*0.0000*	*0.0505*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	May-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	May-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	May-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0018*	*0.0000*
Cast-in-place connection structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Dec-44	10	210			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Dec-44	10	210			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Dec-44	10	210			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	2		0.17	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Cement Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
				0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0113*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Aug-45	9	160			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Aug-45	9	160			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Aug-45	9	160			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0049*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	May-45	3	45			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-45	May-45	3	45			0.0168	0.0099			
Truck Loading Dust	Tons of material being loaded per day	204	Dirt		Mar-45	May-45	3	45			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	17	12	1.42	Mar-45	May-45	3	45	0.0001	0.0000	0.0000	0.0000	0.0000	0.0095	0.0000
Trucks Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-45	May-45	3	45	0.0001	0.0002	0.0000	0.0000	0.0000	0.0587	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0170*	*0.0099*	*0.0000*	*0.0682*	*0.0000*
Decking Removal - 3 weekends									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-45	Jun-45	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-45	Jun-45	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-45	Jun-45	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0042*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Oct-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	2	Dirt		Jun-45	Oct-45	5	86			0.0048	0.0028			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Oct-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0048*	*0.0028*	*0.0000*	*0.0023*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
Trucks Traveling to site	Number of Vehicles	2	66	May-42	Sep-42	5	87	0.0011	0.0040	0.0009	0.0001	0.0001	2.8687	0.0000
				May-42	Sep-42	5	87							
Deliveries Traveling to site	Number of Vehicles	0	66	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Sep-42	5	87							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Sep-42	5	87							
Totals								*0.0011*	*0.0040*	*0.0009*	*0.0001*	*0.0001*	*2.8687*	*0.0000*
Utility Relocation & Site Preparation														
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	124							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-42	Feb-43	6	124	0.0005	0.0012	0.0009	0.0001	0.0001	3.5810	0.0000
				Sep-42	Feb-43	6	124							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	124							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5810*	*0.0000*
Shoring														
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
Trucks Traveling to site	Number of Vehicles	5	66	Dec-42	Feb-43	3	45	0.0025	0.0087	0.0020	0.0003	0.0003	6.1826	0.0001
				Dec-42	Feb-43	3	45							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-42	Feb-43	3	45	0.0001	0.0002	0.0002	0.0000	0.0000	0.6498	0.0000
				Dec-42	Feb-43	3	45							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Dec-42	Feb-43	3	45	0.0035	0.0122	0.0029	0.0004	0.0004	8.6556	0.0001
				Dec-42	Feb-43	3	45							
Totals								*0.0060*	*0.0211*	*0.0051*	*0.0007*	*0.0006*	*15.4879*	*0.0001*
Decking - 3 Weekends							*Prorated*							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-43	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-43	1	9							
Deliveries Traveling to site	Number of Vehicles	5	66	Feb-43	Feb-43	1	9	0.0003	0.0006	0.0005	0.0001	0.0000	1.8781	0.0000
				Feb-43	Feb-43	1	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-43	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-43	1	9							
Totals								*0.0003*	*0.0006*	*0.0005*	*0.0001*	*0.0000*	*1.8781*	*0.0000*
Excavation														
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
Trucks Traveling to site	Number of Vehicles	10	66	Feb-43	Sep-43	8	149	0.0059	0.0214	0.0051	0.0008	0.0006	15.2171	0.0001
				Feb-43	Sep-43	8	149							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Sep-43	8	149							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Sep-43	8	149							
Totals								*0.0059*	*0.0214*	*0.0051*	*0.0008*	*0.0006*	*15.2171*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Disassembly of TBM and Relocate														
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	May-44	3	40							
Deliveries Traveling to site	Number of Vehicles	1	66	Mar-44	May-44	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5377	0.0000
				Mar-44	May-44	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	May-44	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5377*	*0.0000*
Cast-in-place connection structure														
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	210							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	210							
Cement Trucks Traveling to site	Number of Vehicles	2	66	Mar-44	Dec-44	10	210	0.0013	0.0048	0.0011	0.0002	0.0001	3.4054	0.0000
				Mar-44	Dec-44	10	210							
Totals								*0.0013*	*0.0048*	*0.0011*	*0.0002*	*0.0001*	*3.4054*	*0.0000*
MEP and Architectural finish work														
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Aug-45	9	160							
Deliveries Traveling to site	Number of Vehicles	2	66	Dec-44	Aug-45	9	160	0.0002	0.0004	0.0004	0.0000	0.0000	1.4338	0.0000
				Dec-44	Aug-45	9	160							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Aug-45	9	160							
Totals								*0.0002*	*0.0004*	*0.0004*	*0.0000*	*0.0000*	*1.4338*	*0.0000*
Backfill														
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
Trucks Traveling to site	Number of Vehicles	17	66	Mar-45	May-45	3	45	0.0077	0.0289	0.0069	0.0010	0.0008	20.5427	0.0002
				Mar-45	May-45	3	45							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	May-45	3	45							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	May-45	3	45							
Totals								*0.0077*	*0.0289*	*0.0069*	*0.0010*	*0.0008*	*20.5427*	*0.0002*
Decking Removal - 3 weekends							*Prorated*							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-45	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-45	2	9							
Deliveries Traveling to site	Number of Vehicles	7	66	May-45	Jun-45	2	9	0.0002	0.0004	0.0003	0.0000	0.0000	1.2313	0.0000
				May-45	Jun-45	2	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-45	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-45	2	9							
Totals								*0.0002*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.2313*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration														
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Oct-45	5	86							
Deliveries Traveling to site	Number of Vehicles	1	66	Jun-45	Oct-45	5	86	0.0001	0.0002	0.0002	0.0000	0.0000	0.6724	0.0000
				Jun-45	Oct-45	5	86							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Oct-45	5	86							
Totals								*0.0001*	*0.0002*	*0.0002*	*0.0000*	*0.0000*	*0.6724*	*0.0000*

K LINE NORTHERN EXTENSION - Section 2 - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.09	0.37	2.30	0.01	0.01	0.01	739
2042	0.25	1.82	5.45	0.02	0.06	0.05	2,375
2043	0.24	3.12	6.19	0.03	0.09	0.08	4,133
2044	0.09	1.67	2.66	0.01	0.04	0.04	2,509
2045	0.14	0.87	2.08	0.01	0.03	0.03	1,389
2046	0.16	0.99	5.80	0.03	0.02	0.02	3,094
2047	0.35	1.44	8.59	0.04	0.04	0.04	4,390
2048	0.43	1.55	9.05	0.04	0.05	0.05	4,435
2049	0.19	0.65	4.35	0.02	0.02	0.02	2,224
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.33	0.22	1
2042	0.00	0.02	0.01	0.00	1.01	0.59	5
2043	0.00	0.04	0.02	0.00	1.00	0.57	11
2044	0.00	0.02	0.01	0.00	0.37	0.21	5
2045	0.00	0.01	0.00	0.00	0.75	0.48	2
2046	0.00	0.01	0.00	0.00	0.45	0.32	2
2047	0.00	0.01	0.01	0.00	0.60	0.42	4
2048	0.00	0.01	0.01	0.00	0.70	0.48	4
2049	0.00	0.00	0.00	0.00	0.32	0.21	1
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.26	0.08	0.00	0.06	0.01	200
2042	0.07	2.19	0.63	0.01	0.53	0.08	1,626
2043	0.14	4.62	1.30	0.03	1.12	0.17	3,415
2044	0.06	2.15	0.60	0.01	0.53	0.08	1,615
2045	0.03	0.99	0.26	0.01	0.24	0.04	707
2046	0.02	0.68	0.19	0.01	0.19	0.03	579
2047	0.04	1.31	0.34	0.01	0.37	0.05	1,117
2048	0.03	1.17	0.31	0.01	0.35	0.05	1,068
2049	0.01	0.34	0.09	0.00	0.12	0.02	371
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.29	0.00	0.01	0.00	113
2042	0.01	0.03	0.73	0.00	0.02	0.01	284
2043	0.01	0.04	1.02	0.00	0.02	0.01	399
2044	0.01	0.02	0.66	0.00	0.01	0.01	257
2045	0.01	0.03	0.78	0.00	0.02	0.01	306
2046	0.01	0.03	0.85	0.00	0.02	0.01	332
2047	0.01	0.05	1.43	0.01	0.03	0.01	562
2048	0.01	0.05	1.50	0.01	0.03	0.01	589
2049	0.01	0.03	1.00	0.00	0.02	0.01	395
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.05	0.00	0.00	0.00	20

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.64	2.67	0.01	0.41	0.24	1,052
2042	0.32	4.06	6.82	0.04	1.61	0.73	4,290
2043	0.39	7.82	8.54	0.06	2.23	0.82	7,959
2044	0.16	3.86	3.93	0.03	0.96	0.33	4,387
2045	0.17	1.90	3.13	0.02	1.03	0.55	2,405
2046	0.19	1.71	6.84	0.04	0.68	0.38	4,008
2047	0.40	2.81	10.37	0.05	1.05	0.52	6,073
2048	0.48	2.78	10.86	0.06	1.14	0.59	6,095
2049	0.21	1.03	5.44	0.03	0.49	0.25	2,992
2050	0.00	0.01	0.26	0.00	0.01	0.00	101
2051	0.00	0.00	0.05	0.00	0.00	0.00	20
Total for Project (US Tons)	2.45	26.61	58.91	0.33	9.61	4.42	39,382
BTUs							
CO2e (tons)							39,736
CO2 (metric tons)							35,727
CO2e (metric tons)							36,047

K LINE NORTHERN EXTENSION - Section 2 - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	18	0	0	0
2042	2	14	42	0	0	0
2043	2	24	47	0	1	1
2044	1	13	20	0	0	0
2045	1	7	16	0	0	0
2046	1	8	44	0	0	0
2047	3	11	66	0	0	0
2048	3	12	69	0	0	0
2049	1	5	33	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*24*	*69*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	8	5
2043	0	0	0	0	8	4
2044	0	0	0	0	3	2
2045	0	0	0	0	6	4
2046	0	0	0	0	3	2
2047	0	0	0	0	5	3
2048	0	0	0	0	5	4
2049	0	0	0	0	2	2
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*8*	*5*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	0	0
2042	1	17	5	0	4	1
2043	1	35	10	0	9	1
2044	0	16	5	0	4	1
2045	0	8	2	0	2	0
2046	0	5	1	0	1	0
2047	0	10	3	0	3	0
2048	0	9	2	0	3	0
2049	0	3	1	0	1	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*35*	*10*	*0*	*9*	*1*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	6	0	0	0
2043	0	0	8	0	0	0
2044	0	0	5	0	0	0
2045	0	0	6	0	0	0
2046	0	0	6	0	0	0
2047	0	0	11	0	0	0
2048	0	0	11	0	0	0
2049	0	0	8	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*11*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	20	0	3	2
2042	2	31	52	0	12	6
2043	3	60	65	0	17	6
2044	1	29	30	0	7	3
2045	1	14	24	0	8	4
2046	1	13	52	0	5	3
2047	3	21	79	0	8	4
2048	4	21	83	0	9	4
2049	2	8	42	0	4	2
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*4*	*60*	*83*	*0*	*17*	*6*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 2 - SVFF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.11	0.40	1.53	0.01	0.01	0.01	571
2046	0.11	0.68	2.55	0.01	0.01	0.01	1,124
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2049	0.02	0.18	0.68	0.00	0.00	0.00	311
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.01	0.00	0.00	0.44	0.29	2
2046	0.00	0.00	0.00	0.00	0.45	0.32	1
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.40	0.30	0
2049	0.00	0.00	0.00	0.00	0.10	0.08	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.03	0.94	0.25	0.01	0.23	0.03	667
2046	0.01	0.37	0.10	0.00	0.10	0.01	303
2047	0.00	0.08	0.02	0.00	0.03	0.00	108
2048	0.00	0.08	0.02	0.00	0.03	0.00	108
2049	0.00	0.02	0.01	0.00	0.01	0.00	27
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-
2045	0.00	0.01	0.20	0.00	0.00	0.00	77
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.36	0.00	0.01	0.00	141
2049	0.00	0.00	0.13	0.00	0.00	0.00	51
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	5

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-
2045	0.14	1.36	1.98	0.01	0.68	0.34	1,317
2046	0.12	1.07	3.01	0.01	0.57	0.35	1,569
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,493
2048	0.10	0.82	3.10	0.01	0.45	0.32	1,494
2049	0.02	0.21	0.81	0.00	0.11	0.08	389
2050	0.00	0.00	0.06	0.00	0.00	0.00	25
2051	0.00	0.00	0.01	0.00	0.00	0.00	5
Total for MSF (US Tons)	0.48	4.28	12.07	0.06	2.27	1.41	6,292
BTUs							
CO2e (tons)							6,349
CO2 (metric tons)							5,708
CO2e (metric tons)							5,759

K LINE NORTHERN EXTENSION - Section 2 - SVFF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	1	3	12	0	0	0
2046	1	5	19	0	0	0
2047	1	6	21	0	0	0
2048	1	6	21	0	0	0
2049	0	1	5	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*6*	*21*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	3	2
2046	0	0	0	0	3	2
2047	0	0	0	0	3	2
2048	0	0	0	0	3	2
2049	0	0	0	0	1	1
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*3*	*2*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	7	2	0	2	0
2046	0	3	1	0	1	0
2047	0	1	0	0	0	0
2048	0	1	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*7*	*2*	*0*	*2*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	1	0	0	0
2046	0	0	3	0	0	0
2047	0	0	3	0	0	0
2048	0	0	3	0	0	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*3*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	1	10	15	0	5	3
2046	1	8	23	0	4	3
2047	1	6	24	0	3	2
2048	1	6	24	0	3	2
2049	0	2	6	0	1	1
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*1*	*10*	*24*	*0*	*5*	*3*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0704	0.0704	0.0704	0.0704	0.0704	0.0704
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0731	0.0731	0.0731	0.0731	0.0731	0.0731
SVSM	Equipment	0.0000	0.0000	0.1421	0.1421	0.1421	0.1421	0.1421	0.0880	0.0880	0.0880	0.4532	0.4532
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0085	0.0085	0.0085	0.0085	0.0085	0.0005	0.0005	0.0005	0.0083	0.0083
	Total	0.0000	0.0000	0.1507	0.1507	0.1507	0.1507	0.1507	0.0885	0.0885	0.0885	0.4617	0.4617
All Areas	Equipment	0.0000	0.0000	0.1421	0.1421	0.1421	0.1421	0.2125	0.1584	0.1584	0.1584	0.5236	0.5236
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0085	0.0085	0.0085	0.0085	0.0111	0.0031	0.0031	0.0031	0.0109	0.0109
0.9798	Total	0.000	0.000	0.151	0.151	0.151	0.151	0.224	0.162	0.162	0.162	0.535	0.535
YEARLY TOTALS		2.381											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710	0.0710	0.0839	0.0839	0.0839
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0735	0.0735	0.0735	0.0735	0.0735	0.0735	0.0844	0.0844	0.0844
LCB	Equipment	0.0847	0.0847	0.0847	0.4305	0.4305	0.4305	0.4746	0.1288	0.0442	0.1262	0.1262	0.1262
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010	0.0010
	Hauling	0.0005	0.0005	0.0005	0.0077	0.0077	0.0077	0.0083	0.0012	0.0007	0.0619	0.0619	0.0619
	Total	0.0852	0.0852	0.0852	0.4382	0.4382	0.4382	0.4831	0.1300	0.0449	0.1890	0.1890	0.1890
SVSM	Equipment	0.4532	0.4974	0.1322	0.0442	0.1294	0.1294	0.1294	0.1630	0.1294	0.1294	0.1294	0.1294
	Activity	0.0001	0.0001	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0083	0.0090	0.0012	0.0007	0.0465	0.0465	0.0465	0.0468	0.0465	0.0465	0.0465	0.0465
	Total	0.4617	0.5065	0.1334	0.0449	0.1766	0.1766	0.1766	0.2106	0.1766	0.1766	0.1766	0.1766
All Areas	Equipment	0.5379	0.5821	0.2169	0.5456	0.6309	0.6309	0.6750	0.3629	0.2445	0.3395	0.3395	0.3395
TOTALS	Activity	0.0001	0.0001	0.0000	0.0002	0.0009	0.0009	0.0009	0.0008	0.0008	0.0018	0.0018	0.0018
	Hauling	0.0088	0.0095	0.0017	0.0109	0.0566	0.0566	0.0573	0.0505	0.0497	0.1088	0.1088	0.1088
0.9798	Total	0.547	0.592	0.219	0.557	0.688	0.688	0.733	0.414	0.295	0.450	0.450	0.450
YEARLY TOTALS		6.083											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0075	0.0075	0.0075	0.0081	0.0011	0.0011	0.0569	0.0569	0.0569	0.0569	0.0569	0.0569
	Total	0.4295	0.4295	0.4295	0.4743	0.1292	0.1292	0.1858	0.1858	0.1858	0.1858	0.1858	0.1858
LCB	Equipment	0.1262	0.1262	0.1262	0.1262	0.1262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0619	0.0619	0.0619	0.0619	0.0619	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1890	0.1890	0.1890	0.1890	0.1890	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.1294	0.1563	0.1563	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625
	Activity	0.0008	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0465	0.0466	0.0466	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531
	Total	0.1766	0.2036	0.2036	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165
All Areas	Equipment	0.6775	0.7043	0.7043	0.8547	0.5167	0.3905	0.3904	0.3904	0.3904	0.3904	0.3904	0.3904
TOTALS	Activity	0.0019	0.0019	0.0019	0.0020	0.0019	0.0009	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Hauling	0.1158	0.1159	0.1159	0.1231	0.1161	0.0543	0.1101	0.1101	0.1101	0.1101	0.1101	0.1101
0.9798	Total	0.795	0.822	0.822	0.980	0.635	0.446	0.502	0.502	0.502	0.502	0.502	0.502
YEARLY TOTALS		7.513											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0569	0.0569	0.0569	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1858	0.1858	0.1858	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.0452	0.0452	0.0452	0.0452
	Activity	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0531	0.0013	0.0013	0.0013	0.0013
	Total	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.3165	0.0465	0.0465	0.0465	0.0465
All Areas	Equipment	0.3904	0.3904	0.3904	0.2625	0.2625	0.2625	0.2625	0.2625	0.0452	0.0452	0.0452	0.0452
TOTALS	Activity	0.0018	0.0018	0.0018	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1101	0.1101	0.1101	0.0531	0.0531	0.0531	0.0531	0.0531	0.0013	0.0013	0.0013	0.0013
0.9798	Total	0.502	0.502	0.502	0.316	0.316	0.316	0.316	0.316	0.0465	0.0465	0.046	0.046
YEARLY TOTALS		3.275											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703
	Activity	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Hauling	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276	0.0276
	Total	0.0000	0.0000	0.0000	0.1984	0.1984	0.1984	0.1984	0.1984	0.1984	0.1984	0.1984	0.1984
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452	0.0452
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465	0.0465
All Areas	Equipment	0.0452	0.0452	0.0452	0.2155	0.2155	0.2155	0.2155	0.2155	0.2155	0.2155	0.2155	0.2155
TOTALS	Activity	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Hauling	0.0013	0.0013	0.0013	0.0289	0.0289	0.0289	0.0289	0.0289	0.0289	0.0289	0.0289	0.0289
0.9798	Total	0.046	0.046	0.046	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245	0.245
YEARLY TOTALS		2.344											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.1703	0.1703	0.1703	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0276	0.0276	0.0276	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.1984	0.1984	0.1984	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0556	0.0556	0.0556	0.0556
LCB	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
SVSM	Equipment	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042	0.2042
All Areas	Equipment	0.4246	0.4246	0.4246	0.4806	0.4806	0.4806	0.4806	0.4806	0.5314	0.5314	0.5314	0.5314
TOTALS	Activity	0.0006	0.0006	0.0006	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0332	0.0332	0.0332	0.0075	0.0075	0.0075	0.0075	0.0075	0.0122	0.0122	0.0122	0.0122
0.9798	Total	0.458	0.458	0.458	0.488	0.488	0.488	0.488	0.488	0.544	0.544	0.544	0.544
YEARLY TOTALS		5.992											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
F3B	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.1862
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005
	Hauling	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0271
	Total	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.0556	0.2138
LCB	Equipment	0.0509	0.0509	0.1837	0.1837	0.1837	0.1837	0.1837	0.2683	0.3037	0.3037	0.2191	0.2191
	Activity	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0048	0.0048	0.0310	0.0310	0.0310	0.0310	0.0310	0.0315	0.0018	0.0018	0.0012	0.0012
	Total	0.0557	0.0557	0.2153	0.2153	0.2153	0.2153	0.2153	0.3004	0.3055	0.3055	0.2204	0.2204
SVSM	Equipment	0.2034	0.2034	0.2034	0.2034	0.2034	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
	Total	0.2042	0.2042	0.2042	0.2042	0.2042	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594
All Areas	Equipment	0.5314	0.5314	0.6643	0.6643	0.6643	0.7149	0.7149	0.7994	0.8348	0.8348	0.7502	0.8856
TOTALS	Activity	0.0002	0.0002	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0002	0.0002	0.0002	0.0006
	Hauling	0.0122	0.0122	0.0384	0.0384	0.0384	0.0429	0.0429	0.0434	0.0137	0.0137	0.0131	0.0355
0.9798	Total	0.544	0.544	0.703	0.703	0.703	0.758	0.758	0.844	0.849	0.849	0.764	0.922
YEARLY TOTALS		8.941											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
F3B	Equipment	0.1862	0.1862	0.1862	0.1862	0.1862	0.3205	0.3205	0.2078	0.2078	0.2078	0.2078	0.2078
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0271	0.0271	0.0271	0.0271	0.0271	0.0019	0.0019	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.2138	0.2138	0.2138	0.2138	0.2138	0.3224	0.3224	0.2090	0.2090	0.2090	0.2090	0.2090
LCB	Equipment	0.2191	0.2191	0.0816	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2204	0.2204	0.0819	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2540	0.2923	0.2923	0.2923	0.2923
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0240	0.0240	0.0240	0.0240
	Total	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.2594	0.3167	0.3167	0.3167	0.3167
All Areas	Equipment	0.8856	0.8856	0.7481	0.6665	0.6665	0.8008	0.8008	0.6880	0.7263	0.7263	0.7263	0.7263
TOTALS	Activity	0.0006	0.0006	0.0006	0.0006	0.0006	0.0001	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005
	Hauling	0.0355	0.0355	0.0346	0.0343	0.0343	0.0091	0.0091	0.0084	0.0272	0.0272	0.0272	0.0272
0.9798	Total	0.922	0.922	0.783	0.701	0.701	0.810	0.810	0.697	0.754	0.754	0.754	0.754
YEARLY TOTALS		9.362											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.2263	0.2263	0.2263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2283	0.2283	0.2283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0703	0.0703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0705	0.0705	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.2923	0.2923	0.3768	0.4913	0.4913	0.4067	0.4067	0.4067	0.3628	0.0000	0.0000	0.0000
	Activity	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0240	0.0240	0.0246	0.0027	0.0027	0.0022	0.0022	0.0022	0.0013	0.0000	0.0000	0.0000
	Total	0.3167	0.3167	0.4018	0.4940	0.4940	0.4089	0.4089	0.4089	0.3641	0.0000	0.0000	0.0000
All Areas	Equipment	0.5888	0.5888	0.6031	0.4913	0.4913	0.4067	0.4067	0.4067	0.3628	0.0000	0.0000	0.0000
TOTALS	Activity	0.0004	0.0004	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0262	0.0262	0.0265	0.0027	0.0027	0.0022	0.0022	0.0022	0.0013	0.0000	0.0000	0.0000
0.9798	Total	0.615	0.615	0.630	0.494	0.494	0.409	0.409	0.409	0.364	0.000	0.000	0.000
YEARLY TOTALS		4.440											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3078	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089	0.0089
0.32	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187
SVSM	Equipment	0.0000	0.0000	0.0195	0.0195	0.0195	0.0195	0.0195	0.0232	0.0232	0.0232	0.0737	0.0737
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0003	0.0003
	Hauling	0.0000	0.0000	0.0292	0.0292	0.0292	0.0292	0.0292	0.0012	0.0012	0.0012	0.0280	0.0280
	Total	0.0000	0.0000	0.0490	0.0490	0.0490	0.0490	0.0490	0.0245	0.0245	0.0245	0.1019	0.1019
All Areas	Equipment	0.0000	0.0000	0.0195	0.0195	0.0195	0.0195	0.0292	0.0329	0.0329	0.0329	0.0834	0.0834
TOTALS	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0004	0.0001	0.0001	0.0001	0.0003	0.0003
	Hauling	0.0000	0.0000	0.0292	0.0292	0.0292	0.0292	0.0381	0.0101	0.0101	0.0101	0.0369	0.0369
0.7642	Total	0.000	0.000	0.049	0.049	0.049	0.049	0.068	0.043	0.043	0.043	0.121	0.121
YEARLY TOTALS		0.634											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097	0.0097	0.0221	0.0221	0.0221
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089	0.0089	0.0011	0.0011	0.0011
0.3078	Total	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187	0.0233	0.0233	0.0233
LCB	Equipment	0.0224	0.0224	0.0224	0.0701	0.0701	0.0701	0.0762	0.0284	0.0060	0.0994	0.0994	0.0994
	Activity	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021	0.0021
	Hauling	0.0012	0.0012	0.0012	0.0262	0.0262	0.0262	0.0279	0.0029	0.0016	0.2174	0.2174	0.2174
0.32	Total	0.0236	0.0236	0.0236	0.0966	0.0966	0.0966	0.1043	0.0313	0.0077	0.3189	0.3189	0.3189
SVSM	Equipment	0.0737	0.0797	0.0293	0.0060	0.1020	0.1020	0.1020	0.1049	0.1020	0.1020	0.1020	0.1020
	Activity	0.0003	0.0003	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	Hauling	0.0280	0.0296	0.0029	0.0016	0.1633	0.1633	0.1633	0.1641	0.1633	0.1633	0.1633	0.1633
	Total	0.1019	0.1096	0.0322	0.0077	0.2668	0.2668	0.2668	0.2705	0.2668	0.2668	0.2668	0.2668
All Areas	Equipment	0.0961	0.1021	0.0516	0.0859	0.1818	0.1818	0.1879	0.1430	0.1177	0.2235	0.2235	0.2235
TOTALS	Activity	0.0003	0.0003	0.0000	0.0003	0.0019	0.0019	0.0019	0.0017	0.0016	0.0036	0.0036	0.0036
	Hauling	0.0292	0.0308	0.0041	0.0367	0.1984	0.1984	0.2000	0.1758	0.1738	0.3818	0.3818	0.3818
0.7642	Total	0.125	0.133	0.056	0.123	0.382	0.382	0.390	0.321	0.293	0.609	0.609	0.609
YEARLY TOTALS		4.032											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008
	Activity	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
	Hauling	0.0256	0.0256	0.0256	0.0271	0.0027	0.0027	0.2050	0.2050	0.2050	0.2050	0.2050	0.2050
0.3078	Total	0.0947	0.0947	0.0947	0.1022	0.0309	0.0309	0.3078	0.3078	0.3078	0.3078	0.3078	0.3078
LCB	Equipment	0.0994	0.0994	0.0994	0.0994	0.0994	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2174	0.2174	0.2174	0.2174	0.2174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.32	Total	0.3189	0.3189	0.3189	0.3189	0.3189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.1020	0.1042	0.1042	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524
	Activity	0.0015	0.0015	0.0015	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Hauling	0.1633	0.1636	0.1636	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889
	Total	0.2668	0.2694	0.2694	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431
All Areas	Equipment	0.2702	0.2725	0.2725	0.3267	0.2800	0.1806	0.2532	0.2532	0.2532	0.2532	0.2532	0.2532
TOTALS	Activity	0.0038	0.0038	0.0038	0.0041	0.0039	0.0018	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
	Hauling	0.4062	0.4066	0.4066	0.4335	0.4090	0.1916	0.3940	0.3940	0.3940	0.3940	0.3940	0.3940
0.7642	Total	0.680	0.683	0.683	0.764	0.693	0.374	0.651	0.651	0.651	0.651	0.651	0.651
YEARLY TOTALS		7.782											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0019	0.0019	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2050	0.2050	0.2050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3078	Total	0.3078	0.3078	0.3078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.32	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.1524	0.0384	0.0384	0.0384	0.0384
	Activity	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.1889	0.0047	0.0047	0.0047	0.0047
	Total	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.3431	0.0431	0.0431	0.0431	0.0431
All Areas	Equipment	0.2532	0.2532	0.2532	0.1524	0.1524	0.1524	0.1524	0.1524	0.0384	0.0384	0.0384	0.0384
TOTALS	Activity	0.0037	0.0037	0.0037	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3940	0.3940	0.3940	0.1889	0.1889	0.1889	0.1889	0.1889	0.0047	0.0047	0.0047	0.0047
0.7642	Total	0.651	0.651	0.651	0.343	0.343	0.343	0.3431	0.3431	0.0431	0.0431	0.043	0.043
YEARLY TOTALS		3.841											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
	Activity	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0000	0.0000	0.0000	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043
	Total	0.0000	0.0000	0.0000	0.1502	0.1502	0.1502	0.1502	0.1502	0.1502	0.1502	0.1502	0.1502
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3078	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.32	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384	0.0384
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
	Total	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431	0.0431
All Areas	Equipment	0.0384	0.0384	0.0384	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833
TOTALS	Activity	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0047	0.0047	0.0047	0.1090	0.1090	0.1090	0.1090	0.1090	0.1090	0.1090	0.1090	0.1090
0.7642	Total	0.043	0.043	0.043	0.193	0.193	0.193	0.193	0.1934	0.1934	0.193	0.193	0.193
YEARLY TOTALS		1.870											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0450	0.0450	0.0450	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1043	0.1043	0.1043	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.1502	0.1502	0.1502	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0180	0.0180	0.0180	0.0180
0.3078	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0225	0.0225	0.0225	0.0225
LCB	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181
0.32	Total	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
SVSM	Equipment	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197	0.0197
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Total	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214
All Areas	Equipment	0.0690	0.0690	0.0690	0.0850	0.0850	0.0850	0.0850	0.0850	0.0893	0.0893	0.0893	0.0893
TOTALS	Activity	0.0012	0.0012	0.0012	0.0002	0.0002	0.0002	0.0002	0.0002	0.0004	0.0004	0.0004	0.0004
	Hauling	0.1242	0.1242	0.1242	0.0263	0.0263	0.0263	0.0263	0.0263	0.0444	0.0444	0.0444	0.0444
0.7642	Total	0.194	0.194	0.194	0.112	0.112	0.112	0.112	0.112	0.134	0.134	0.134	0.134
YEARLY TOTALS		1.677											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
F3B	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0298
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0010
	Hauling	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.1055
0.3078	Total	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.0225	0.1363
LCB	Equipment	0.0043	0.0043	0.0293	0.0293	0.0293	0.0293	0.0293	0.0440	0.0487	0.0487	0.0340	0.0340
	Activity	0.0002	0.0002	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0181	0.0181	0.1211	0.1211	0.1211	0.1211	0.1211	0.1224	0.0041	0.0041	0.0029	0.0029
0.32	Total	0.0226	0.0226	0.1515	0.1515	0.1515	0.1515	0.1515	0.1675	0.0528	0.0528	0.0368	0.0368
SVSM	Equipment	0.0197	0.0197	0.0197	0.0197	0.0197	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196
	Total	0.0214	0.0214	0.0214	0.0214	0.0214	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438
All Areas	Equipment	0.0893	0.0893	0.1143	0.1143	0.1143	0.1186	0.1186	0.1333	0.1380	0.1380	0.1233	0.1487
TOTALS	Activity	0.0004	0.0004	0.0014	0.0014	0.0014	0.0016	0.0016	0.0016	0.0005	0.0005	0.0004	0.0013
	Hauling	0.0444	0.0444	0.1473	0.1473	0.1473	0.1652	0.1652	0.1664	0.0482	0.0482	0.0469	0.1344
0.7642	Total	0.134	0.134	0.263	0.263	0.263	0.285	0.285	0.301	0.187	0.187	0.171	0.284
YEARLY TOTALS		2.758											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675	0.0675
F3B	Equipment	0.0298	0.0298	0.0298	0.0298	0.0298	0.0517	0.0517	0.0321	0.0321	0.0321	0.0321	0.0321
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1055	0.1055	0.1055	0.1055	0.1055	0.0044	0.0044	0.0027	0.0027	0.0027	0.0027	0.0027
0.3078	Total	0.1363	0.1363	0.1363	0.1363	0.1363	0.0561	0.0561	0.0349	0.0349	0.0349	0.0349	0.0349
LCB	Equipment	0.0340	0.0340	0.0133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.32	Total	0.0368	0.0368	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0337	0.0337	0.0337	0.0337
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0196	0.0945	0.0945	0.0945	0.0945
	Total	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.1292	0.1292	0.1292	0.1292
All Areas	Equipment	0.1487	0.1487	0.1280	0.1148	0.1148	0.1367	0.1367	0.1171	0.1269	0.1269	0.1269	0.1269
TOTALS	Activity	0.0013	0.0013	0.0013	0.0013	0.0013	0.0003	0.0003	0.0003	0.0010	0.0010	0.0010	0.0010
	Hauling	0.1344	0.1344	0.1322	0.1315	0.1315	0.0304	0.0304	0.0288	0.1037	0.1037	0.1037	0.1037
0.7642	Total	0.284	0.284	0.262	0.248	0.248	0.167	0.167	0.146	0.232	0.232	0.232	0.232
YEARLY TOTALS		2.733											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0610	0.0610	0.0610	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0064	0.0064	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0675	0.0675	0.0675	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0114	0.0114	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3078	Total	0.0120	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.32	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0337	0.0337	0.0485	0.0660	0.0660	0.0513	0.0513	0.0513	0.0456	0.0000	0.0000	0.0000
	Activity	0.0009	0.0009	0.0009	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0945	0.0945	0.0957	0.0062	0.0062	0.0050	0.0050	0.0050	0.0030	0.0000	0.0000	0.0000
	Total	0.1292	0.1292	0.1451	0.0723	0.0723	0.0564	0.0564	0.0564	0.0486	0.0000	0.0000	0.0000
All Areas	Equipment	0.1062	0.1062	0.1095	0.0660	0.0660	0.0513	0.0513	0.0513	0.0456	0.0000	0.0000	0.0000
TOTALS	Activity	0.0010	0.0010	0.0010	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1015	0.1015	0.1021	0.0062	0.0062	0.0050	0.0050	0.0050	0.0030	0.0000	0.0000	0.0000
0.7642	Total	0.209	0.209	0.213	0.072	0.072	0.056	0.056	0.056	0.049	0.000	0.000	0.000
YEARLY TOTALS		0.992											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0975	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0128	0.0128	0.0128	0.0128
SVSM	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0026	0.0026
	Activity	0.0000	0.0000	0.0218	0.0218	0.0218	0.0218	0.0218	0.0232	0.0232	0.0232	0.0450	0.0450
	Hauling	0.0000	0.0000	0.0068	0.0068	0.0068	0.0068	0.0068	0.0009	0.0009	0.0009	0.0073	0.0073
	Total	0.0000	0.0000	0.0291	0.0291	0.0291	0.0291	0.0291	0.0247	0.0247	0.0247	0.0549	0.0549
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0009	0.0009	0.0009	0.0029	0.0029
TOTALS	Activity	0.0000	0.0000	0.0218	0.0218	0.0218	0.0218	0.0323	0.0336	0.0336	0.0336	0.0554	0.0554
	Hauling	0.0000	0.0000	0.0068	0.0068	0.0068	0.0068	0.0089	0.0030	0.0030	0.0030	0.0094	0.0094
0.2387	Total	0.000	0.000	0.029	0.029	0.029	0.029	0.042	0.038	0.038	0.038	0.068	0.068
YEARLY TOTALS		0.406											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0221	0.0221	0.0221
	Hauling	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0009	0.0009	0.0009
0.0975	Total	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0235	0.0235	0.0235
LCB	Equipment	0.0006	0.0006	0.0006	0.0025	0.0025	0.0025	0.0027	0.0008	0.0002	0.0029	0.0029	0.0029
	Activity	0.0223	0.0223	0.0223	0.0429	0.0429	0.0429	0.0429	0.0223	0.0000	0.0455	0.0455	0.0455
	Hauling	0.0009	0.0009	0.0009	0.0069	0.0069	0.0069	0.0082	0.0022	0.0013	0.0511	0.0511	0.0511
	Total	0.0238	0.0238	0.0238	0.0523	0.0523	0.0523	0.0539	0.0253	0.0015	0.0995	0.0995	0.0995
SVSM	Equipment	0.0026	0.0028	0.0008	0.0002	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030	0.0030	0.0030
	Activity	0.0450	0.0450	0.0232	0.0000	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461
	Hauling	0.0073	0.0086	0.0022	0.0013	0.0384	0.0384	0.0384	0.0390	0.0384	0.0384	0.0384	0.0384
	Total	0.0549	0.0564	0.0262	0.0015	0.0874	0.0874	0.0874	0.0882	0.0874	0.0874	0.0874	0.0874
All Areas	Equipment	0.0032	0.0034	0.0014	0.0030	0.0057	0.0057	0.0059	0.0042	0.0035	0.0065	0.0065	0.0065
TOTALS	Activity	0.0672	0.0673	0.0455	0.0535	0.0995	0.0995	0.0995	0.0789	0.0566	0.1136	0.1136	0.1136
	Hauling	0.0082	0.0095	0.0031	0.0103	0.0474	0.0474	0.0487	0.0433	0.0417	0.0903	0.0903	0.0903
0.2387	Total	0.079	0.080	0.050	0.067	0.153	0.153	0.154	0.126	0.102	0.210	0.210	0.210
YEARLY TOTALS		1.594											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029
	Activity	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460
	Hauling	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0486	0.0486	0.0486	0.0486	0.0486	0.0486
0.0975	Total	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.0975	0.0975	0.0975	0.0975	0.0975	0.0975
LCB	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0455	0.0455	0.0455	0.0455	0.0455	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0511	0.0511	0.0511	0.0511	0.0511	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0995	0.0995	0.0995	0.0995	0.0995	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0030	0.0031	0.0031	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
	Activity	0.0461	0.0461	0.0461	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162
	Hauling	0.0384	0.0387	0.0387	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475
	Total	0.0874	0.0878	0.0878	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674
All Areas	Equipment	0.0083	0.0084	0.0084	0.0092	0.0074	0.0045	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
TOTALS	Activity	0.1338	0.1338	0.1338	0.1039	0.0838	0.0383	0.0622	0.0622	0.0622	0.0622	0.0622	0.0622
	Hauling	0.0962	0.0965	0.0965	0.1067	0.1008	0.0497	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961
0.2387	Total	0.238	0.239	0.239	0.220	0.192	0.092	0.165	0.165	0.165	0.165	0.165	0.165
YEARLY TOTALS		2.209											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0460	0.0460	0.0460	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0486	0.0486	0.0486	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0975	Total	0.0975	0.0975	0.0975	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0014	0.0014	0.0014	0.0014
	Activity	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0260	0.0260	0.0260	0.0260
	Hauling	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0475	0.0011	0.0011	0.0011	0.0011
	Total	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0674	0.0285	0.0285	0.0285	0.0285
All Areas	Equipment	0.0066	0.0066	0.0066	0.0037	0.0037	0.0037	0.0037	0.0037	0.0014	0.0014	0.0014	0.0014
TOTALS	Activity	0.0622	0.0622	0.0622	0.0162	0.0162	0.0162	0.0162	0.0162	0.0260	0.0260	0.0260	0.0260
	Hauling	0.0961	0.0961	0.0961	0.0475	0.0475	0.0475	0.0475	0.0475	0.0011	0.0011	0.0011	0.0011
0.2387	Total	0.165	0.165	0.165	0.067	0.067	0.0674	0.0674	0.0674	0.0285	0.029	0.029	0.029
YEARLY TOTALS		0.946											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
	Hauling	0.0000	0.0000	0.0000	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
	Total	0.0000	0.0000	0.0000	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0975	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	Activity	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260	0.0260
	Hauling	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285
All Areas	Equipment	0.0014	0.0014	0.0014	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
TOTALS	Activity	0.0260	0.0260	0.0260	0.0744	0.0744	0.0744	0.0744	0.0744	0.0744	0.0744	0.0744	0.0744
	Hauling	0.0011	0.0011	0.0011	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261	0.0261
0.2387	Total	0.029	0.029	0.029	0.103	0.103	0.103	0.1031	0.1031	0.103	0.103	0.103	0.103
YEARLY TOTALS		1.014											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0012	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0484	0.0484	0.0484	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0250	0.0250	0.0250	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0746	0.0746	0.0746	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044	0.0044	0.0044	0.0044
0.0975	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045
LCB	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
SVSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
	Total	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
All Areas	Equipment	0.0021	0.0021	0.0021	0.0019	0.0019	0.0019	0.0019	0.0019	0.0021	0.0021	0.0021	0.0021
TOTALS	Activity	0.0484	0.0484	0.0484	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0310	0.0310	0.0310	0.0088	0.0088	0.0088	0.0088	0.0088	0.0131	0.0131	0.0131	0.0131
0.2387	Total	0.082	0.082	0.082	0.044	0.044	0.044	0.044	0.044	0.049	0.049	0.049	0.049
YEARLY TOTALS		0.659											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
F3B	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0016
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0226
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0272
0.0975	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0514
LCB	Equipment	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016	0.0020	0.0024	0.0024	0.0020	0.0020
	Activity	0.0000	0.0000	0.0216	0.0216	0.0216	0.0216	0.0216	0.0216	0.0120	0.0120	0.0120	0.0120
	Hauling	0.0044	0.0044	0.0310	0.0310	0.0310	0.0310	0.0310	0.0323	0.0042	0.0042	0.0029	0.0029
	Total	0.0045	0.0045	0.0541	0.0541	0.0541	0.0541	0.0541	0.0558	0.0186	0.0186	0.0169	0.0169
SVSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0017	0.0017	0.0017	0.0017	0.0017	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0024	0.0024	0.0024	0.0024	0.0024	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
All Areas	Equipment	0.0021	0.0021	0.0035	0.0035	0.0035	0.0037	0.0037	0.0041	0.0045	0.0045	0.0041	0.0055
TOTALS	Activity	0.0333	0.0333	0.0549	0.0549	0.0549	0.0549	0.0549	0.0549	0.0453	0.0453	0.0453	0.0679
	Hauling	0.0131	0.0131	0.0398	0.0398	0.0398	0.0441	0.0441	0.0454	0.0173	0.0173	0.0160	0.0389
0.2387	Total	0.049	0.049	0.098	0.098	0.098	0.103	0.103	0.104	0.067	0.067	0.065	0.112
YEARLY TOTALS		1.013											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
F3B	Equipment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0024	0.0024	0.0019	0.0019	0.0019	0.0019	0.0019
	Activity	0.0226	0.0226	0.0226	0.0226	0.0226	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
	Hauling	0.0272	0.0272	0.0272	0.0272	0.0272	0.0045	0.0045	0.0028	0.0028	0.0028	0.0028	0.0028
0.0975	Total	0.0514	0.0514	0.0514	0.0514	0.0514	0.0173	0.0173	0.0150	0.0150	0.0150	0.0150	0.0150
LCB	Equipment	0.0020	0.0020	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0120	0.0120	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0169	0.0169	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207
	Hauling	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0258	0.0258	0.0258	0.0258
	Total	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0479	0.0479	0.0479	0.0479
All Areas	Equipment	0.0055	0.0055	0.0042	0.0035	0.0035	0.0043	0.0043	0.0038	0.0043	0.0043	0.0043	0.0043
TOTALS	Activity	0.0679	0.0679	0.0679	0.0559	0.0559	0.0437	0.0437	0.0437	0.0644	0.0644	0.0644	0.0644
	Hauling	0.0389	0.0389	0.0367	0.0360	0.0360	0.0133	0.0133	0.0116	0.0314	0.0314	0.0314	0.0314
0.2387	Total	0.112	0.112	0.109	0.095	0.095	0.061	0.061	0.059	0.100	0.100	0.100	0.100
YEARLY TOTALS		1.106											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0333	0.0333	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0371	0.0371	0.0371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0103	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0975	Total	0.0116	0.0116	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0014	0.0014	0.0018	0.0029	0.0029	0.0025	0.0025	0.0025	0.0022	0.0000	0.0000	0.0000
	Activity	0.0207	0.0207	0.0208	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0000	0.0000	0.0000
	Hauling	0.0258	0.0258	0.0271	0.0064	0.0064	0.0052	0.0052	0.0052	0.0030	0.0000	0.0000	0.0000
	Total	0.0479	0.0479	0.0496	0.0328	0.0328	0.0311	0.0311	0.0311	0.0286	0.0000	0.0000	0.0000
All Areas	Equipment	0.0030	0.0030	0.0028	0.0029	0.0029	0.0025	0.0025	0.0025	0.0022	0.0000	0.0000	0.0000
TOTALS	Activity	0.0644	0.0644	0.0541	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0000	0.0000	0.0000
	Hauling	0.0292	0.0292	0.0299	0.0064	0.0064	0.0052	0.0052	0.0052	0.0030	0.0000	0.0000	0.0000
0.2387	Total	0.097	0.097	0.087	0.033	0.033	0.031	0.031	0.031	0.029	0.000	0.000	0.000
YEARLY TOTALS		0.467											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0362	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
SVSM	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0025	0.0025
0.0017	Activity	0.0000	0.0000	0.0154	0.0154	0.0154	0.0154	0.0154	0.0137	0.0137	0.0137	0.0262	0.0262
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0010	0.0010
	Total	0.0000	0.0000	0.0170	0.0170	0.0170	0.0170	0.0170	0.0143	0.0143	0.0143	0.0297	0.0297
	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0008	0.0008	0.0008	0.0028	0.0028
	Activity	0.0000	0.0000	0.0154	0.0154	0.0154	0.0154	0.0230	0.0213	0.0213	0.0213	0.0338	0.0338
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0013	0.0004	0.0004	0.0004	0.0013	0.0013
0.0992	Total	0.000	0.000	0.017	0.017	0.017	0.017	0.025	0.022	0.022	0.022	0.038	0.038
YEARLY TOTALS		0.236											

$PM_{2.5}$ TOTALS

Phase		Source	2042											
			1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B		Equipment	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005
	0.0007	Activity	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0130	0.0130	0.0130
		Hauling	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	0.0362	Total	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0137	0.0137	0.0137
LCB		Equipment	0.0005	0.0005	0.0005	0.0024	0.0024	0.0024	0.0026	0.0008	0.0002	0.0027	0.0027	0.0027
	0.0007	Activity	0.0132	0.0132	0.0132	0.0250	0.0250	0.0250	0.0250	0.0132	0.0000	0.0259	0.0259	0.0259
		Hauling	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0001	0.0076	0.0076	0.0076
		Total	0.0138	0.0138	0.0138	0.0284	0.0284	0.0284	0.0287	0.0141	0.0003	0.0362	0.0362	0.0362
SVSM		Equipment	0.0025	0.0027	0.0008	0.0002	0.0028	0.0028	0.0028	0.0029	0.0028	0.0028	0.0028	0.0028
	0.0017	Activity	0.0262	0.0262	0.0137	0.0000	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265
		Hauling	0.0010	0.0012	0.0002	0.0001	0.0057	0.0057	0.0057	0.0058	0.0057	0.0057	0.0057	0.0057
		Total	0.0297	0.0301	0.0147	0.0003	0.0349	0.0349	0.0349	0.0351	0.0349	0.0349	0.0349	0.0349
		Equipment	0.0030	0.0033	0.0013	0.0028	0.0054	0.0054	0.0056	0.0039	0.0032	0.0060	0.0060	0.0060
		Activity	0.0394	0.0394	0.0268	0.0327	0.0591	0.0591	0.0592	0.0473	0.0341	0.0654	0.0654	0.0654
		Hauling	0.0011	0.0013	0.0003	0.0014	0.0070	0.0070	0.0071	0.0063	0.0062	0.0134	0.0134	0.0134
	0.0992	Total	0.044	0.044	0.028	0.037	0.072	0.072	0.072	0.057	0.044	0.085	0.085	0.085
YEARLY TOTALS			0.723											

$PM_{2.5}$ TOTALS

Phase		Source	2043											
			1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B		Equipment	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
	0.0007	Activity	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
		Hauling	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072
	0.0362	Total	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362
LCB		Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0259	0.0259	0.0259	0.0259	0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0362	0.0362	0.0362	0.0362	0.0362	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM		Equipment	0.0028	0.0028	0.0028	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
	0.0017	Activity	0.0265	0.0265	0.0265	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088
		Hauling	0.0057	0.0057	0.0057	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
		Total	0.0349	0.0351	0.0351	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190
		Equipment	0.0078	0.0079	0.0079	0.0085	0.0068	0.0041	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
		Activity	0.0770	0.0770	0.0770	0.0593	0.0477	0.0218	0.0350	0.0350	0.0350	0.0350	0.0350	0.0350
		Hauling	0.0143	0.0143	0.0143	0.0156	0.0147	0.0071	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
	0.0992	Total	0.099	0.099	0.099	0.083	0.069	0.033	0.055	0.055	0.055	0.055	0.055	0.055
YEARLY TOTALS			0.814											

$PM_{2.5}$ TOTALS

Phase		Source	2044											
			1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B		Equipment	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0262	0.0262	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0072	0.0072	0.0072	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0362	Total	0.0362	0.0362	0.0362	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM		Equipment	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0013	0.0013	0.0013	0.0013
	0.0017	Activity	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0088	0.0153	0.0153	0.0153	0.0153
		Hauling	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0002	0.0002	0.0002	0.0002
		Total	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0190	0.0168	0.0168	0.0168	0.0168
		Equipment	0.0060	0.0060	0.0060	0.0033	0.0033	0.0033	0.0033	0.0033	0.0013	0.0013	0.0013	0.0013
		Activity	0.0350	0.0350	0.0350	0.0088	0.0088	0.0088	0.0088	0.0088	0.0153	0.0153	0.0153	0.0153
		Hauling	0.0141	0.0141	0.0141	0.0069	0.0069	0.0069	0.0069	0.0069	0.0002	0.0002	0.0002	0.0002
	0.0992	Total	0.055	0.055	0.055	0.019	0.019	0.019	0.019	0.019	0.017	0.017	0.017	0.017
YEARLY TOTALS			0.328											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
0.0005	Activity	0.0000	0.0000	0.0000	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326
	Hauling	0.0000	0.0000	0.0000	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
	Total	0.0000	0.0000	0.0000	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0362	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
0.0017	Activity	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168
	Equipment	0.0013	0.0013	0.0013	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0153	0.0153	0.0153	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480	0.0480
	Hauling	0.0002	0.0002	0.0002	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
0.0992	Total	0.017	0.017	0.017	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054	0.054
YEARLY TOTALS		0.539											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0326	0.0326	0.0326	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0037	0.0037	0.0037	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0375	0.0375	0.0375	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006
0.0362	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008
LCB	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
SVSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
0.0017	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Equipment	0.0020	0.0020	0.0020	0.0019	0.0019	0.0019	0.0019	0.0019	0.0021	0.0021	0.0021	0.0021
	Activity	0.0326	0.0326	0.0326	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0045	0.0045	0.0045	0.0011	0.0011	0.0011	0.0011	0.0011	0.0018	0.0018	0.0018	0.0018
0.0992	Total	0.039	0.039	0.039	0.028	0.028	0.028	0.028	0.028	0.029	0.029	0.029	0.029
YEARLY TOTALS		0.374											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
F3B	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0130
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0039
0.0362	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0184
LCB	Equipment	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0018	0.0022	0.0022	0.0018	0.0018
0.0007	Activity	0.0000	0.0000	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0071	0.0071	0.0071	0.0071
	Hauling	0.0006	0.0006	0.0045	0.0045	0.0045	0.0045	0.0045	0.0046	0.0004	0.0004	0.0003	0.0003
	Total	0.0008	0.0008	0.0183	0.0183	0.0183	0.0183	0.0183	0.0189	0.0097	0.0097	0.0092	0.0092
SVSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0017	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
	Equipment	0.0021	0.0021	0.0034	0.0034	0.0034	0.0035	0.0035	0.0039	0.0043	0.0043	0.0039	0.0052
	Activity	0.0251	0.0251	0.0374	0.0374	0.0374	0.0374	0.0374	0.0374	0.0321	0.0321	0.0321	0.0452
	Hauling	0.0018	0.0018	0.0056	0.0056	0.0056	0.0063	0.0063	0.0064	0.0022	0.0022	0.0021	0.0054
0.0992	Total	0.029	0.029	0.046	0.046	0.046	0.047	0.047	0.048	0.039	0.039	0.038	0.056
YEARLY TOTALS		0.511											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
F3B	Equipment	0.0015	0.0015	0.0015	0.0015	0.0015	0.0022	0.0022	0.0017	0.0017	0.0017	0.0017	0.0017
0.0007	Activity	0.0130	0.0130	0.0130	0.0130	0.0130	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Hauling	0.0039	0.0039	0.0039	0.0039	0.0039	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003
0.0362	Total	0.0184	0.0184	0.0184	0.0184	0.0184	0.0088	0.0088	0.0081	0.0081	0.0081	0.0081	0.0081
LCB	Equipment	0.0018	0.0018	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0071	0.0071	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0092	0.0092	0.0078	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0014	0.0014	0.0014	0.0014
0.0017	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120	0.0120	0.0120	0.0120
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0036	0.0036	0.0036	0.0036
	Total	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0170	0.0170	0.0170	0.0170
	Equipment	0.0052	0.0052	0.0041	0.0034	0.0034	0.0041	0.0041	0.0036	0.0041	0.0041	0.0041	0.0041
	Activity	0.0452	0.0452	0.0452	0.0381	0.0381	0.0311	0.0311	0.0311	0.0431	0.0431	0.0431	0.0431
	Hauling	0.0054	0.0054	0.0051	0.0051	0.0051	0.0016	0.0016	0.0014	0.0043	0.0043	0.0043	0.0043
0.0992	Total	0.056	0.056	0.054	0.047	0.047	0.037	0.037	0.036	0.051	0.051	0.051	0.051
YEARLY TOTALS		0.575											

$PM_{2.5}$ TOTALS

Phase		Source	2049											
			1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF		Equipment	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0251	0.0251	0.0251	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0264	0.0264	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B		Equipment	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0362	Total	0.0067	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM		Equipment	0.0014	0.0014	0.0017	0.0028	0.0028	0.0024	0.0024	0.0024	0.0021	0.0000	0.0000	0.0000
	0.0017	Activity	0.0120	0.0120	0.0120	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0000	0.0000	0.0000
		Hauling	0.0036	0.0036	0.0038	0.0006	0.0006	0.0005	0.0005	0.0005	0.0003	0.0000	0.0000	0.0000
		Total	0.0170	0.0170	0.0175	0.0172	0.0172	0.0167	0.0167	0.0167	0.0162	0.0000	0.0000	0.0000
		Equipment	0.0029	0.0029	0.0027	0.0028	0.0028	0.0024	0.0024	0.0024	0.0021	0.0000	0.0000	0.0000
		Activity	0.0431	0.0431	0.0370	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138	0.0000	0.0000	0.0000
		Hauling	0.0040	0.0040	0.0041	0.0006	0.0006	0.0005	0.0005	0.0005	0.0003	0.0000	0.0000	0.0000
	0.0992	Total	0.050	0.050	0.044	0.017	0.017	0.017	0.017	0.017	0.016	0.000	0.000	0.000
YEARLY TOTALS			0.245											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
SVSM	Equipment	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047	0.0047	0.0063	0.0063	0.0063	0.0189	0.0189
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001	0.0009	0.0009
	Total	0.0000	0.0000	0.0057	0.0057	0.0057	0.0057	0.0057	0.0064	0.0064	0.0064	0.0198	0.0198
All Areas	Equipment	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047	0.0071	0.0086	0.0086	0.0086	0.0213	0.0213
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0012	0.0004	0.0004	0.0004	0.0012	0.0012
	Total	0.000	0.000	0.006	0.006	0.006	0.006	0.008	0.009	0.009	0.009	0.022	0.022
YEARLY TOTALS		0.103											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0061	0.0061	0.0061
LCB	Equipment	0.0061	0.0061	0.0061	0.0180	0.0180	0.0180	0.0191	0.0072	0.0011	0.0061	0.0061	0.0061
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0001	0.0066	0.0066	0.0066
	Total	0.0061	0.0061	0.0061	0.0189	0.0189	0.0189	0.0201	0.0074	0.0012	0.0128	0.0128	0.0128
SVSM	Equipment	0.0189	0.0200	0.0074	0.0011	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0009	0.0010	0.0002	0.0001	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0198	0.0211	0.0076	0.0012	0.0113	0.0113	0.0113	0.0119	0.0113	0.0113	0.0113	0.0113
All Areas	Equipment	0.0250	0.0261	0.0135	0.0215	0.0266	0.0266	0.0277	0.0163	0.0097	0.0183	0.0183	0.0183
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002
	Hauling	0.0010	0.0011	0.0002	0.0012	0.0061	0.0061	0.0062	0.0054	0.0053	0.0116	0.0116	0.0116
	Total	0.026	0.027	0.014	0.023	0.033	0.033	0.034	0.022	0.015	0.030	0.030	0.030
YEARLY TOTALS		0.316											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Total	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
LCB	Equipment	0.0061	0.0061	0.0061	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0128	0.0128	0.0128	0.0128	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0062	0.0067	0.0067	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0050	0.0050	0.0050	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057
	Total	0.0113	0.0117	0.0117	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
All Areas	Equipment	0.0300	0.0304	0.0304	0.0325	0.0209	0.0148	0.0138	0.0138	0.0138	0.0138	0.0138	0.0138
TOTALS	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0124	0.0124	0.0124	0.0132	0.0125	0.0059	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118
	Total	0.043	0.043	0.043	0.046	0.034	0.021	0.026	0.026	0.026	0.026	0.026	0.026
YEARLY TOTALS		0.384											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0061	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0123	0.0123	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0023	0.0023	0.0023	0.0023
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0001	0.0001	0.0001	0.0001
	Total	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0025	0.0025	0.0025	0.0025
All Areas	Equipment	0.0138	0.0138	0.0138	0.0077	0.0077	0.0077	0.0077	0.0077	0.0023	0.0023	0.0023	0.0023
TOTALS	Activity	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0118	0.0118	0.0118	0.0057	0.0057	0.0057	0.0057	0.0057	0.0001	0.0001	0.0001	0.0001
	Total	0.026	0.026	0.026	0.013	0.013	0.013	0.013	0.013	0.002	0.002	0.002	0.002
YEARLY TOTALS		0.155											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029
	Total	0.0000	0.0000	0.0000	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152	0.0152
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
All Areas	Equipment	0.0023	0.0023	0.0023	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
TOTALS	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0001	0.0001	0.0001	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
	Total	0.002	0.002	0.002	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
YEARLY TOTALS		0.166											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0122	0.0122	0.0122	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0029	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0152	0.0152	0.0152	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013
LCB	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
SVSM	Equipment	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039	0.0039
All Areas	Equipment	0.0168	0.0168	0.0168	0.0122	0.0122	0.0122	0.0122	0.0122	0.0131	0.0131	0.0131	0.0131
TOTALS	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0035	0.0035	0.0035	0.0008	0.0008	0.0008	0.0008	0.0008	0.0013	0.0013	0.0013	0.0013
	Total	0.020	0.020	0.020	0.013	0.013	0.013	0.013	0.013	0.014	0.014	0.014	0.014
YEARLY TOTALS		0.185											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
F3B	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0151
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0029
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0181
LCB	Equipment	0.0008	0.0008	0.0151	0.0151	0.0151	0.0151	0.0151	0.0186	0.0241	0.0241	0.0206	0.0206
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0033	0.0033	0.0033	0.0033	0.0033	0.0034	0.0003	0.0003	0.0002	0.0002
	Total	0.0013	0.0013	0.0184	0.0184	0.0184	0.0184	0.0184	0.0220	0.0244	0.0244	0.0208	0.0208
SVSM	Equipment	0.0038	0.0038	0.0038	0.0038	0.0038	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0039	0.0039	0.0039	0.0039	0.0039	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
All Areas	Equipment	0.0131	0.0131	0.0273	0.0273	0.0273	0.0281	0.0281	0.0316	0.0372	0.0372	0.0337	0.0480
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0013	0.0013	0.0041	0.0041	0.0041	0.0046	0.0046	0.0047	0.0016	0.0016	0.0015	0.0039
	Total	0.014	0.014	0.031	0.031	0.031	0.033	0.033	0.036	0.039	0.039	0.035	0.052
YEARLY TOTALS		0.390											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
F3B	Equipment	0.0151	0.0151	0.0151	0.0151	0.0151	0.0243	0.0243	0.0196	0.0196	0.0196	0.0196	0.0196
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0029	0.0029	0.0029	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0181	0.0181	0.0181	0.0181	0.0181	0.0246	0.0246	0.0198	0.0198	0.0198	0.0198	0.0198
LCB	Equipment	0.0206	0.0206	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0208	0.0208	0.0071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0087	0.0087	0.0087	0.0087
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0026	0.0026	0.0026	0.0026
	Total	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0113	0.0113	0.0113	0.0113
All Areas	Equipment	0.0480	0.0480	0.0344	0.0274	0.0274	0.0365	0.0365	0.0319	0.0359	0.0359	0.0359	0.0359
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0039	0.0039	0.0037	0.0037	0.0037	0.0011	0.0011	0.0010	0.0030	0.0030	0.0030	0.0030
	Total	0.052	0.052	0.038	0.031	0.031	0.038	0.038	0.033	0.039	0.039	0.039	0.039
YEARLY TOTALS		0.468											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0076	0.0076	0.0076	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0079	0.0079	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0087	0.0087	0.0122	0.0245	0.0245	0.0210	0.0210	0.0210	0.0176	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0026	0.0004	0.0004	0.0003	0.0003	0.0003	0.0002	0.0000	0.0000	0.0000
	Total	0.0113	0.0113	0.0149	0.0249	0.0249	0.0213	0.0213	0.0213	0.0178	0.0000	0.0000	0.0000
All Areas	Equipment	0.0224	0.0224	0.0198	0.0245	0.0245	0.0210	0.0210	0.0210	0.0176	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0029	0.0004	0.0004	0.0003	0.0003	0.0003	0.0002	0.0000	0.0000	0.0000
	Total	0.025	0.025	0.023	0.025	0.025	0.021	0.021	0.021	0.018	0.000	0.000	0.000
YEARLY TOTALS		0.205											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
F3B	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LCB	Equipment	-	-	-	-	-	-	17	17	17	17	17	17
	Activity	-	-	-	-	-	-	0	0	0	0	0	0
	Hauling	-	-	-	-	-	-	6	6	6	6	6	6
	Total	-	-	-	-	-	-	24	24	24	24	24	24
SVSM	Equipment	-	-	35	35	35	35	35	33	33	33	181	181
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	21	21	21	21	21	4	4	4	23	23
	Total	-	-	56	56	56	56	56	37	37	37	205	205
All Areas	Equipment	0.0000	0.0000	34.9188	34.9188	34.9188	34.9188	52.2264	50.0847	50.0847	50.0847	198.5305	198.5305
TOTALS	Activity	0.0000	0.0000	0.0688	0.0688	0.0688	0.0688	0.0898	0.0338	0.0338	0.0338	0.0990	0.0990
	Hauling	-	-	21	21	21	21	27	10	10	10	30	30
	Total	-	-	56	56	56	56	79	60	60	60	228	228
YEARLY TOTALS		939.580											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
F3B	Equipment	-	-	-	17	17	17	17	17	17	31	31	31
	Activity	-	-	-	0	0	0	0	0	0	0	0	0
	Hauling	-	-	-	6	6	6	6	6	6	3	3	3
	Total	-	-	-	24	24	24	24	24	24	35	35	35
LCB	Equipment	32	32	32	172	172	172	196	55	24	72	72	72
	Activity	0	0	0	0	0	0	0	0	0	1	1	1
	Hauling	4	4	4	22	22	22	27	9	5	155	155	155
	Total	35	35	35	194	194	194	223	64	29	227	227	227
SVSM	Equipment	181	205	57	24	74	74	74	92	74	74	74	74
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	23	28	9	5	116	116	116	119	116	116	116	116
	Total	205	234	66	29	190	190	190	211	190	190	190	190
All Areas	Equipment	212.7665	236.6653	88.2196	213.4299	263.2151	263.2151	287.1140	164.7899	115.0207	176.7547	176.7547	176.7547
TOTALS	Activity	0.0903	0.1077	0.0424	0.1116	0.4793	0.4793	0.4966	0.4445	0.4233	0.9094	0.9094	0.9094
	Hauling	27	32	12	33	144	144	149	134	127	274	274	274
	Total	240	269	101	247	408	408	437	299	243	452	452	452
YEARLY TOTALS		4006.331											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
F3B	Equipment	169	169	169	193	55	55	73	73	73	73	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	21	21	26	8	8	146	146	146	146	146	146
	Total	190	190	190	219	63	63	219	219	219	219	219	219
LCB	Equipment	72	72	72	72	72	-	-	-	-	-	-	-
	Activity	1	1	1	1	1	-	-	-	-	-	-	-
	Hauling	155	155	155	155	155	-	-	-	-	-	-	-
	Total	227	227	227	227	227	-	-	-	-	-	-	-
SVSM	Equipment	74	92	92	252	252	252	252	252	252	252	252	252
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	116	117	117	146	146	146	146	146	146	146	146	146
	Total	190	210	210	398	398	398	398	398	398	398	398	398
All Areas	Equipment	314.1460	332.7968	332.7968	516.6156	379.2243	307.3977	325.0721	325.0721	325.0721	325.0721	325.0721	325.0721
TOTALS	Activity	0.9691	0.9729	0.9729	1.0853	1.0256	0.5129	0.9679	0.9679	0.9679	0.9679	0.9679	0.9679
	Hauling	292	293	293	326	308	154	291	291	291	291	291	291
	Total	607	627	627	844	689	462	617	617	617	617	617	617
YEARLY TOTALS		7559.750											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
F3B	Equipment	73	73	73	-	-	-	-	-	-	-	-	-
	Activity	0	0	0	-	-	-	-	-	-	-	-	-
	Hauling	146	146	146	-	-	-	-	-	-	-	-	-
	Total	219	219	219	-	-	-	-	-	-	-	-	-
LCB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
SVSM	Equipment	252	252	252	252	252	252	252	252	68	68	68	68
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	146	146	146	146	146	146	146	146	3	3	3	3
	Total	398	398	398	398	398	398	398	398	72	72	72	72
All Areas	Equipment	325.0721	325.0721	325.0721	252.2549	252.2549	252.2549	252.2549	252.2549	68.2056	68.2056	68.2056	68.2056
TOTALS	Activity	0.9679	0.9679	0.9679	0.4845	0.4845	0.4845	0.4845	0.4845	0.0111	0.0111	0.0111	0.0111
	Hauling	291	291	291	146	146	146	146	146	3	3	3	3
	Total	617	617	617	398	398	398	398	398	72	72	72	72
YEARLY TOTALS		4129.856											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	-	-	-	63	63	63	63	63	63	63	63	63
	Activity	-	-	-	0	0	0	0	0	0	0	0	0
	Hauling	-	-	-	74	74	74	74	74	74	74	74	74
	Total	-	-	-	138	138	138	138	138	138	138	138	138
F3B	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LCB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
SVSM	Equipment	68	68	68	68	68	68	68	68	68	68	68	68
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	3	3	3	3	3	3	3	3	3	3	3	3
	Total	72	72	72	72	72	72	72	72	72	72	72	72
All Areas	Equipment	68.2056	68.2056	68.2056	131.6452	131.6452	131.6452	131.6452	131.6452	131.6452	131.6452	131.6452	131.6452
TOTALS	Activity	0.0111	0.0111	0.0111	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571	0.2571
	Hauling	3	3	3	77	77	77	77	77	77	77	77	77
	Total	72	72	72	209	209	209	209	209	209	209	209	209
YEARLY TOTALS		2098.867											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	63	63	63	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	74	74	74	9	9	9	9	9	9	9	9	9
	Total	138	138	138	113	113	113	113	113	113	113	113	113
F3B	Equipment	-	-	-	-	-	-	-	-	38	38	38	38
	Activity	-	-	-	-	-	-	-	-	0	0	0	0
	Hauling	-	-	-	-	-	-	-	-	13	13	13	13
	Total	-	-	-	-	-	-	-	-	51	51	51	51
LCB	Equipment	38	38	38	38	38	38	38	38	38	38	38	38
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	51	51	51	51	51	51	51	51	51	51	51	51
SVSM	Equipment	114	114	114	114	114	114	114	114	114	114	114	114
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	6	6	6	6	6	6	6	6	6	6	6
	Total	120	120	120	120	120	120	120	120	120	120	120	120
All Areas	Equipment	215.0387	215.0387	215.0387	255.3317	255.3317	255.3317	255.3317	255.3317	293.1233	293.1233	293.1233	293.1233
TOTALS	Activity	0.3087	0.3087	0.3087	0.0931	0.0931	0.0931	0.0931	0.0931	0.1356	0.1356	0.1356	0.1356
	Hauling	93	93	93	28	28	28	28	28	41	41	41	41
	Total	308	308	308	283	283	283	283	283	334	334	334	334
YEARLY TOTALS		3675.339											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
F3B	Equipment	38	38	38	38	38	38	38	38	38	38	38	77
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	81
	Total	51	51	51	51	51	51	51	51	51	51	51	158
LCB	Equipment	38	38	76	76	76	76	76	106	131	131	101	101
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	92	92	92	92	92	96	14	14	10	10
	Total	51	51	168	168	168	168	168	202	145	145	111	111
SVSM	Equipment	114	114	114	114	114	151	151	151	151	151	151	151
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	6	6	6	6	19	19	19	19	19	19	19
	Total	120	120	120	120	120	170	170	170	170	170	170	170
All Areas	Equipment	293.1233	293.1233	331.3330	331.3330	331.3330	368.8884	368.8884	398.5861	423.4386	423.4386	393.7409	432.9748
TOTALS	Activity	0.1356	0.1356	0.3986	0.3986	0.3986	0.4407	0.4407	0.4555	0.1832	0.1832	0.1684	0.3948
	Hauling	41	41	119	119	119	132	132	137	54	54	50	118
	Total	334	334	451	451	451	502	502	536	478	478	444	551
YEARLY TOTALS		5511.402											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
F3B	Equipment	77	77	77	77	77	134	134	95	95	95	95	95
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	81	81	81	81	81	15	15	9	9	9	9	9
	Total	158	158	158	158	158	149	149	104	104	104	104	104
LCB	Equipment	101	101	44	-	-	-	-	-	-	-	-	-
	Activity	0	0	0	-	-	-	-	-	-	-	-	-
	Hauling	10	10	2	-	-	-	-	-	-	-	-	-
	Total	111	111	46	-	-	-	-	-	-	-	-	-
SVSM	Equipment	151	151	151	151	151	151	151	151	152	152	152	152
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	19	19	19	77	77	77	77
	Total	170	170	170	170	170	170	170	170	229	229	229	229
All Areas	Equipment	432.9748	432.9748	375.9937	332.1210	332.1210	389.4400	389.4400	349.8431	350.1226	350.1226	350.1226	350.1226
TOTALS	Activity	0.3948	0.3948	0.3695	0.3614	0.3614	0.1439	0.1439	0.1246	0.3200	0.3200	0.3200	0.3200
	Hauling	118	118	111	108	108	43	43	37	96	96	96	96
	Total	551	551	487	441	441	432	432	387	446	446	446	446
YEARLY TOTALS		5506.694											

CO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	104	104	104	-	-	-	-	-	-	-	-	-
	Activity	0	0	0	-	-	-	-	-	-	-	-	-
	Hauling	9	9	9	-	-	-	-	-	-	-	-	-
	Total	113	113	113	-	-	-	-	-	-	-	-	-
F3B	Equipment	38	38	-	-	-	-	-	-	-	-	-	-
	Activity	0	0	-	-	-	-	-	-	-	-	-	-
	Hauling	2	2	-	-	-	-	-	-	-	-	-	-
	Total	40	40	-	-	-	-	-	-	-	-	-	-
LCB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
SVSM	Equipment	152	152	181	249	249	219	219	219	199	-	-	-
	Activity	0	0	0	0	0	0	0	0	0	-	-	-
	Hauling	77	77	81	21	21	17	17	17	10	-	-	-
	Total	229	229	263	270	270	236	236	236	210	-	-	-
All Areas	Equipment	293.1414	293.1414	285.0726	248.5247	248.5247	218.8270	218.8270	218.8270	199.4271	0.0000	0.0000	0.0000
TOTALS	Activity	0.2947	0.2947	0.3021	0.0731	0.0731	0.0589	0.0589	0.0589	0.0351	0.0000	0.0000	0.0000
	Hauling	88	88	90	21	21	17	17	17	10	-	-	-
	Total	382	382	376	270	270	236	236	236	210	-	-	-
YEARLY TOTALS		2597.039											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
SVSM	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0002	0.0002
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0019	0.0019
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0005	0.0019	0.0019
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0003	0.0003
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
YEARLY TOTALS		0.009											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
LCB	Equipment	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0002	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0000	0.0014	0.0014	0.0014
	Total	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0003	0.0020	0.0020	0.0020
SVSM	Equipment	0.0017	0.0019	0.0005	0.0002	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0003	0.0001	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0019	0.0022	0.0006	0.0003	0.0017	0.0017	0.0017	0.0019	0.0017	0.0017	0.0017	0.0017
All Areas	Equipment	0.0020	0.0022	0.0008	0.0020	0.0024	0.0024	0.0026	0.0015	0.0010	0.0015	0.0015	0.0015
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0003	0.0001	0.0003	0.0013	0.0013	0.0014	0.0012	0.0012	0.0025	0.0025	0.0025
	Total	0.002	0.003	0.001	0.002	0.004	0.004	0.004	0.003	0.002	0.004	0.004	0.004
YEARLY TOTALS		0.036											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
LCB	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0006	0.0007	0.0007	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0011	0.0011	0.0011	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.0017	0.0018	0.0018	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
All Areas	Equipment	0.0028	0.0029	0.0029	0.0035	0.0022	0.0016	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0027	0.0027	0.0030	0.0028	0.0014	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.005	0.006	0.006	0.006	0.005	0.003	0.004	0.004	0.004	0.004	0.004	0.004
YEARLY TOTALS		0.057											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0019	0.0019	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000
	Total	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0002	0.0002	0.0002	0.0002
All Areas	Equipment	0.0017	0.0017	0.0017	0.0011	0.0011	0.0011	0.0011	0.0011	0.0002	0.0002	0.0002	0.0002
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0026	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000
	Total	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.002	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.026											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
All Areas	Equipment	0.0002	0.0002	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.014											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0006	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0013	0.0013	0.0013	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
F3B	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004
LCB	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
SVSM	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
All Areas	Equipment	0.0019	0.0019	0.0019	0.0023	0.0023	0.0023	0.0023	0.0023	0.0025	0.0025	0.0025	0.0025
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004
	Total	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
YEARLY TOTALS		0.032											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
F3B	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0014
LCB	Equipment	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0010	0.0012	0.0012	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0015	0.0015	0.0015	0.0015	0.0015	0.0019	0.0014	0.0014	0.0010	0.0010
SVSM	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0011	0.0011	0.0011	0.0011	0.0011	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
All Areas	Equipment	0.0025	0.0025	0.0029	0.0029	0.0029	0.0032	0.0032	0.0035	0.0037	0.0037	0.0035	0.0039
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0011	0.0011	0.0011	0.0012	0.0012	0.0013	0.0005	0.0005	0.0005	0.0011
	Total	0.003	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.004	0.004	0.004	0.005
YEARLY TOTALS		0.049											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
F3B	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0013	0.0013	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010
LCB	Equipment	0.0010	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0007	0.0007	0.0007	0.0007
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0021	0.0021	0.0021	0.0021
All Areas	Equipment	0.0039	0.0039	0.0034	0.0030	0.0030	0.0035	0.0035	0.0032	0.0032	0.0032	0.0032	0.0032
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0011	0.0011	0.0010	0.0010	0.0010	0.0004	0.0004	0.0003	0.0009	0.0009	0.0009	0.0009
	Total	0.005	0.005	0.004	0.004	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004
YEARLY TOTALS		0.050											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
F3B	Equipment	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LCB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SVSM	Equipment	0.0014	0.0014	0.0017	0.0023	0.0023	0.0020	0.0020	0.0020	0.0019	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0000	0.0000	0.0000
	Total	0.0021	0.0021	0.0024	0.0025	0.0025	0.0022	0.0022	0.0022	0.0020	0.0000	0.0000	0.0000
All Areas	Equipment	0.0027	0.0027	0.0026	0.0023	0.0023	0.0020	0.0020	0.0020	0.0019	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0000	0.0000	0.0000
	Total	0.004	0.004	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.000	0.000	0.000
YEARLY TOTALS		0.024											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 2	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2043	12/31/2043	2043	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2044	12/31/2044	2044	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2045	12/31/2045	2045	260	30	40	6	682	23	267063	3	16	6	0.002	0.196	0.007	77	0.001	0.004	0.002
Section 2	MSF	1/1/2046	12/31/2046	2046	261	55	40	11	1246	42	488698	5	28	11	0.003	0.359	0.012	141	0.001	0.008	0.003
Section 2	MSF	1/1/2047	12/31/2047	2047	261	55	40	11	1243	41	487930	5	28	11	0.003	0.357	0.012	140	0.001	0.008	0.003
Section 2	MSF	1/1/2048	12/31/2048	2048	262	55	40	11	1239	41	487294	5	28	11	0.003	0.358	0.012	141	0.001	0.008	0.003
Section 2	MSF	1/1/2049	12/31/2049	2049	261	20	40	4	450	15	177003	2	10	4	0.001	0.130	0.004	51	0.001	0.003	0.001
Section 2	MSF	1/1/2050	12/31/2050	2050	260	10	40	2	225	7	88421	1	5	2	0.001	0.064	0.002	25	0.000	0.001	0.001
Section 2	MSF	1/1/2051	3/13/2051	2051	51	10	40	2	225	7	88421	1	5	2	0.000	0.013	0.000	5	0.000	0.000	0.000
Section 2	Alignment Section	1/14/2041	12/31/2041	2041	252	45	40	11	1053	38	405561	4	23	9	0.003	0.292	0.011	113	0.001	0.007	0.002
Section 2	Alignment Section	1/1/2042	12/31/2042	2042	261	110	40	25	2548	91	987437	10	57	21	0.007	0.733	0.026	284	0.003	0.016	0.006
Section 2	Alignment Section	1/1/2043	12/31/2043	2043	261	155	40	34	3561	124	1386793	14	80	30	0.010	1.024	0.036	399	0.004	0.023	0.009
Section 2	Alignment Section	1/1/2044	12/31/2044	2044	261	100	40	21	2284	79	892271	9	52	19	0.006	0.657	0.023	257	0.003	0.015	0.006
Section 2	Alignment Section	1/1/2045	12/31/2045	2045	260	90	40	19	2046	69	801188	8	47	17	0.005	0.587	0.020	230	0.002	0.013	0.005
Section 2	Alignment Section	1/1/2046	12/31/2046	2046	261	75	40	16	1700	57	666406	7	39	15	0.004	0.489	0.016	192	0.002	0.011	0.004
Section 2	Alignment Section	1/1/2047	12/31/2047	2047	261	165	40	34	3728	123	1463791	14	85	32	0.010	1.072	0.036	421	0.004	0.025	0.009
Section 2	Alignment Section	1/1/2048	12/31/2048	2048	262	175	40	36	3944	129	1550481	15	90	34	0.010	1.139	0.037	448	0.004	0.026	0.010
Section 2	Alignment Section	1/1/2049	12/31/2049	2049	261	135	40	27	3039	100	1194768	12	70	26	0.008	0.874	0.029	344	0.003	0.020	0.007
Section 2	Alignment Section	1/1/2050	12/31/2050	2050	260	30	40	6	675	22	265262	3	15	6	0.002	0.193	0.006	76	0.001	0.004	0.002
Section 2	Alignment Section	1/1/2051	3/13/2051	2051	51	30	40	6	675	22	265262	3	15	6	0.000	0.038	0.001	15	0.000	0.001	0.000

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	113	0.0	0.0	0.0
2042	0.0	0.7	0.0	284	0.0	0.0	0.0
2043	0.0	1.0	0.0	399	0.0	0.0	0.0
2044	0.0	0.7	0.0	257	0.0	0.0	0.0
2045	0.0	0.8	0.0	306	0.0	0.0	0.0
2046	0.0	0.8	0.0	332	0.0	0.0	0.0
2047	0.0	1.4	0.0	562	0.0	0.0	0.0
2048	0.0	1.5	0.0	589	0.0	0.0	0.0
2049	0.0	1.0	0.0	395	0.0	0.0	0.0
2050	0.0	0.3	0.0	101	0.0	0.0	0.0
2051	0.0	0.1	0.0	20	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0	0.0	0.0	0.0
2044	0.0	0.0	0.0	0	0.0	0.0	0.0
2045	0.0	0.2	0.0	77	0.0	0.0	0.0
2046	0.0	0.4	0.0	141	0.0	0.0	0.0
2047	0.0	0.4	0.0	140	0.0	0.0	0.0
2048	0.0	0.4	0.0	141	0.0	0.0	0.0
2049	0.0	0.1	0.0	51	0.0	0.0	0.0
2050	0.0	0.1	0.0	25	0.0	0.0	0.0
2051	0.0	0.0	0.0	5	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading and site preparation: New MSF																				
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	3/21/2045	3/19/2046	13	260	0.037	0.004	0.000	0.000	0.001	25.7	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	3/21/2045	3/19/2046	13	260	0.034	0.028	0.000	0.000	0.003	5.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	8	4	8	3/21/2045	3/19/2046	13	260	0.043	0.009	0.001	0.001	0.006	20.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	3/21/2045	3/19/2046	13	260	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.25	8	2	4	3/21/2045	3/19/2046	13	260	0.035	0.003	0.000	0.000	0.002	5.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	3/19/2046	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	3/19/2046	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	3/19/2046	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/21/2045	3/19/2046	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	3/19/2046	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.170*	*0.045*	*0.001*	*0.001*	*0.012*	*63*	*0.001*
Trackwork and Systems: New MSF																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.10	8	1	2	3/20/2046	3/15/2049	37	780	0.008	0.001	0.000	0.000	0.000	5.6	0.000
Excavator-75	Fleet Average	54	Diesel	3	0.38	0.50	8	4	12	3/20/2046	3/15/2049	37	780	0.053	0.045	0.000	0.000	0.005	8.8	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.25	8	2	6	3/20/2046	3/15/2049	37	780	0.034	0.002	0.000	0.000	0.000	10.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	3	0.42	1.00	8	8	24	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Welding Plant-600	Tier 4	380	Diesel	3	0.34	0.70	8	6	17	3/20/2046	3/15/2049	37	780	0.131	0.013	0.001	0.001	0.003	75.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	3/15/2049	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.226*	*0.061*	*0.001*	*0.001*	*0.008*	*104*	*0.001*

MSF

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site preparation: New MSF															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	Mar-46	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate		Mar-45	Mar-46	13	260			0.0418	0.0316			
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate		Mar-45	Mar-46	13	260			0.0066	0.0010			
Truck Loading on site - idling	Number of Vehicles	46	12	3.83	Mar-45	Mar-46	13	260	0.0003	0.0002	0.0000	0.0000	0.0000	0.0343	0.0000
Trucks Traveling on site	Number of Vehicles	46	Paved	4.60	Mar-45	Mar-46	13	260	0.0002	0.0008	0.0000	0.0000	0.0000	0.2117	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0484*	*0.0326*	*0.0000*	*0.2460*	*0.0000*
Trackwork and Systems: New MSF															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Mar-49	37	780			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Mar-46	Mar-49	37	780			0.0330	0.0250			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Mar-46	Mar-49	37	780			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0333*	*0.0251*	*0.0000*	*0.0304*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site preparation: New MSF														
				Mar-45	Mar-46	13	260							
				Mar-45	Mar-46	13	260							
				Mar-45	Mar-46	13	260							
				Mar-45	Mar-46	13	260							
Trucks Traveling on site	Number of Vehicles	46	66	Mar-45	Mar-46	13	260	0.0276	0.1043	0.0250	0.0037	0.0029	74.1149	0.0007
				Mar-45	Mar-46	13	260							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Mar-46	13	260							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-45	Mar-46	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Mar-46	13	260							
Totals								*0.0276*	*0.1043*	*0.0250*	*0.0037*	*0.0029*	*74.1149*	*0.0007*
Trackwork and Systems: New MSF														
				Mar-46	Mar-49	37	780							
				Mar-46	Mar-49	37	780							
				Mar-46	Mar-49	37	780							
				Mar-46	Mar-49	37	780							
Trucks Traveling on site	Number of Vehicles	2	66	Mar-46	Mar-49	37	780	0.0012	0.0048	0.0011	0.0002	0.0001	3.3783	0.0000
				Mar-46	Mar-49	37	780							
Deliveries Traveling on site	Number of Vehicles	7	66	Mar-46	Mar-49	37	780	0.0007	0.0017	0.0016	0.0002	0.0001	5.6086	0.0001
				Mar-46	Mar-49	37	780							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	Mar-49	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Mar-49	37	780							
Totals								*0.0020*	*0.0064*	*0.0028*	*0.0003*	*0.0002*	*8.9869*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	3/25/2042	9/26/2042	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	3/25/2042	9/26/2042	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	3/25/2042	9/26/2042	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	9/26/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/12/2042	6/15/2043	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	9/12/2042	6/15/2043	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	9/12/2042	6/15/2043	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/12/2042	6/15/2043	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	9/12/2042	6/15/2043	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2042	6/15/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2042	6/15/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2042	6/15/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/12/2042	6/15/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2042	6/15/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/30/2042	4/29/2043	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	12/30/2042	4/29/2043	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/30/2042	4/29/2043	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/30/2042	4/29/2043	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/30/2042	4/29/2043	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/30/2042	4/29/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/30/2042	4/29/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/30/2042	4/29/2043	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/30/2042	4/29/2043	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/30/2042	4/29/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/30/2043	6/22/2043	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	3/30/2043	6/22/2043	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	3/30/2043	6/22/2043	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/30/2043	6/22/2043	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	3/30/2043	6/22/2043	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/30/2043	6/22/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/30/2043	6/22/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/30/2043	6/22/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/30/2043	6/22/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/30/2043	6/22/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/22/2043	3/21/2044	10	196	0.0093	0.0009	0.0000	0.0000	0.0002	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	6/22/2043	3/21/2044	10	196	0.0276	0.0440	0.0010	0.0008	0.0012	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/22/2043	3/21/2044	10	196	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	6/22/2043	3/21/2044	10	196	0.0179	0.0201	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	6/22/2043	3/21/2044	10	196	0.0191	0.0245	0.0010	0.0009	0.0009	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	6/22/2043	3/21/2044	10	196	0.0186	0.0035	0.0002	0.0002	0.0025	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	6/22/2043	3/21/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	6/22/2043	3/21/2044	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/22/2043	3/21/2044	10	196	0.0104	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/22/2043	3/21/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1279*	*0.1008*	*0.0029*	*0.0027*	*0.0062*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	8/21/2046	11/11/2047	16	320	0.0095	0.0009	0.0000	0.0000	0.0002	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/21/2046	11/11/2047	16	320	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	8/21/2046	11/11/2047	16	320	0.0156	0.0016	0.0001	0.0001	0.0003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/21/2046	11/11/2047	16	320	0.0107	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2046	11/11/2047	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0509*	*0.0043*	*0.0002*	*0.0002*	*0.0008*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	11/12/2047	12/7/2048	14	280	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/12/2047	12/7/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/12/2047	12/7/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	11/12/2047	12/7/2048	14	280	0.0426	0.0030	0.0001	0.0001	0.0006	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	12/7/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1375*	*0.0207*	*0.0012*	*0.0012*	*0.0135*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	11/12/2047	5/20/2048	7	137	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	11/12/2047	5/20/2048	7	137	0.0251	0.0021	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	11/12/2047	5/20/2048	7	137	0.0071	0.0052	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/20/2048	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/6/2048	7/29/2048	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/6/2048	7/29/2048	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	5/6/2048	7/29/2048	3	61	0.0134	0.0106	0.0000	0.0000	0.0007	2.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	5/6/2048	7/29/2048	3	61	0.0229	0.0023	0.0001	0.0001	0.0004	13.1	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	5/6/2048	7/29/2048	3	61	0.0541	0.0045	0.0003	0.0003	0.0031	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2048	7/29/2048	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2048	7/29/2048	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2048	7/29/2048	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/6/2048	7/29/2048	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2048	7/29/2048	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.1128*	*0.0196*	*0.0005*	*0.0005*	*0.0047*	*40*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	5/20/2048	2/1/2049	10	184	0.0174	0.0017	0.0001	0.0001	0.0003	12.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	5/20/2048	2/1/2049	10	184	0.0156	0.0016	0.0001	0.0001	0.0003	8.4	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	5/20/2048	2/1/2049	10	184	0.0189	0.0043	0.0003	0.0002	0.0025	8.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	5/20/2048	2/1/2049	10	184	0.0183	0.0038	0.0003	0.0002	0.0029	8.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/20/2048	2/1/2049	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0703*	*0.0114*	*0.0006*	*0.0006*	*0.0061*	*38*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Sep-42	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Mar-42	Sep-42	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Mar-42	Sep-42	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-42	Sep-42	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0181	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0209*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Jun-43	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-42	Jun-43	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-42	Jun-43	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0117*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-42	Apr-43	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-42	Apr-43	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-42	Apr-43	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-42	Apr-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-42	Apr-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-42	Apr-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-42	Apr-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-42	Apr-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-42	Apr-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0288	0.0000
				0.00	Dec-42	Apr-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0597*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-43	Jun-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-43	Jun-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Mar-43	Jun-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-43	Jun-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0167*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-43	Mar-44	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Jun-43	Mar-44	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt		Jun-43	Mar-44	10	196			0.0019	0.0003			
Truck Loading on site - idling	Number of Vehicles	91	20	7.58	Jun-43	Mar-44	10	196	0.0005	0.0003	0.0000	0.0000	0.0000	0.0660	0.0000
Trucks Traveling on site	Number of Vehicles	91	Paved	9.10	Jun-43	Mar-44	10	196	0.0004	0.0016	0.0001	0.0000	0.0001	0.4174	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0009*	*0.0019*	*0.0460*	*0.0262*	*0.0001*	*0.4834*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Nov-47	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Nov-47	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Nov-47	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Aug-46	Nov-47	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0366	0.0000
				0.00	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0426*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Dec-48	14	280			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-47	Dec-48	14	280			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Dec-48	14	280			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	May-48	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-47	May-48	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	564	Dirt		Nov-47	May-48	7	137			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	47	12	3.92	Nov-47	May-48	7	137	0.0003	0.0002	0.0000	0.0000	0.0000	0.0345	0.0000
Trucks Traveling on site	Number of Vehicles	47	Paved	4.70	Nov-47	May-48	7	137	0.0002	0.0008	0.0000	0.0000	0.0000	0.2092	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0226*	*0.0130*	*0.0000*	*0.2437*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-48	Jul-48	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-48	Jul-48	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-48	Jul-48	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-48	Jul-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0193*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-48	Feb-49	10	184			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		May-48	Feb-49	10	184			0.0103	0.0061			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-48	Feb-49	10	184			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0067	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0103*	*0.0061*	*0.0000*	*0.0068*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Mar-42	Sep-42	7	134							
				Mar-42	Sep-42	7	134							
				Mar-42	Sep-42	7	134							
				Mar-42	Sep-42	7	134							
Trucks Traveling on site	Number of Vehicles	4	66	Mar-42	Sep-42	7	134	0.0025	0.0089	0.0021	0.0003	0.0003	6.3121	0.0001
				Mar-42	Sep-42	7	134							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Sep-42	7	134							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Sep-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Sep-42	7	134							
Totals								*0.0025*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3121*	*0.0001*
Utility Relocation & Site Preparation														
				Sep-42	Jun-43	10	197							
				Sep-42	Jun-43	10	197							
				Sep-42	Jun-43	10	197							
				Sep-42	Jun-43	10	197							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Jun-43	10	197							
Deliveries Traveling on site	Number of Vehicles	4	66	Sep-42	Jun-43	10	197	0.0005	0.0011	0.0009	0.0001	0.0001	3.4135	0.0000
				Sep-42	Jun-43	10	197							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Jun-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Jun-43	10	197							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4135*	*0.0000*
Shoring														
				Dec-42	Apr-43	5	87							
				Dec-42	Apr-43	5	87							
				Dec-42	Apr-43	5	87							
				Dec-42	Apr-43	5	87							
Trucks Traveling on site	Number of Vehicles	5	66	Dec-42	Apr-43	5	87	0.0029	0.0101	0.0024	0.0004	0.0003	7.1718	0.0001
				Dec-42	Apr-43	5	87							
Deliveries Traveling on site	Number of Vehicles	1	66	Dec-42	Apr-43	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7537	0.0000
				Dec-42	Apr-43	5	87							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Dec-42	Apr-43	5	87	0.0040	0.0141	0.0033	0.0005	0.0004	10.0405	0.0001
				Dec-42	Apr-43	5	87							
Totals								*0.0070*	*0.0245*	*0.0059*	*0.0009*	*0.0007*	*17.9660*	*0.0002*
Decking 12 weekends							*Prorated*							
				Mar-43	Jun-43	4	36							
				Mar-43	Jun-43	4	36							
				Mar-43	Jun-43	4	36							
				Mar-43	Jun-43	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-43	Jun-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Jun-43	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Mar-43	Jun-43	4	36	0.0007	0.0015	0.0013	0.0001	0.0001	4.8831	0.0000
				Mar-43	Jun-43	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-43	Jun-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Jun-43	4	36							
Totals								*0.0007*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.8831*	*0.0000*
Excavation														
				Jun-43	Mar-44	10	196							
				Jun-43	Mar-44	10	196							
				Jun-43	Mar-44	10	196							
				Jun-43	Mar-44	10	196							
Trucks Traveling on site	Number of Vehicles	91	66	Jun-43	Mar-44	10	196	0.0569	0.2050	0.0486	0.0072	0.0061	145.7245	0.0013
				Jun-43	Mar-44	10	196							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	Mar-44	10	196							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-43	Mar-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	Mar-44	10	196							
Totals								*0.0569*	*0.2050*	*0.0486*	*0.0072*	*0.0061*	*145.7245*	*0.0013*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Aug-46	Nov-47	16	320							
				Aug-46	Nov-47	16	320							
				Aug-46	Nov-47	16	320							
				Aug-46	Nov-47	16	320							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Nov-47	16	320							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-46	Nov-47	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Nov-47	16	320							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Aug-46	Nov-47	16	320	0.0047	0.0180	0.0044	0.0006	0.0005	12.8202	0.0001
				Aug-46	Nov-47	16	320							
Totals								*0.0047*	*0.0180*	*0.0044*	*0.0006*	*0.0005*	*12.8202*	*0.0001*
MEP and Architectural finish work														
				Nov-47	Dec-48	14	280							
				Nov-47	Dec-48	14	280							
				Nov-47	Dec-48	14	280							
				Nov-47	Dec-48	14	280							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Dec-48	14	280							
Deliveries Traveling on site	Number of Vehicles	10	66	Nov-47	Dec-48	14	280	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Nov-47	Dec-48	14	280							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Dec-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Dec-48	14	280							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Nov-47	May-48	7	137							
				Nov-47	May-48	7	137							
				Nov-47	May-48	7	137							
				Nov-47	May-48	7	137							
Trucks Traveling on site	Number of Vehicles	47	66	Nov-47	May-48	7	137	0.0261	0.1033	0.0250	0.0037	0.0027	73.3759	0.0007
				Nov-47	May-48	7	137							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	May-48	7	137							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	May-48	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	May-48	7	137							
Totals								*0.0261*	*0.1033*	*0.0250*	*0.0037*	*0.0027*	*73.3759*	*0.0007*
Decking Removal - 12 weekends							*Prorated*							
				May-48	Jul-48	3	36							
				May-48	Jul-48	3	36							
				May-48	Jul-48	3	36							
				May-48	Jul-48	3	36							
Trucks Traveling on site	Number of Vehicles	0	66	May-48	Jul-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Jul-48	3	36							
Deliveries Traveling on site	Number of Vehicles	13	66	May-48	Jul-48	3	36	0.0007	0.0016	0.0017	0.0002	0.0001	5.6557	0.0001
				May-48	Jul-48	3	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-48	Jul-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Jul-48	3	36							
Totals								*0.0007*	*0.0016*	*0.0017*	*0.0002*	*0.0001*	*5.6557*	*0.0001*
Surface Restoration														
				May-48	Feb-49	10	184							
				May-48	Feb-49	10	184							
				May-48	Feb-49	10	184							
				May-48	Feb-49	10	184							
Trucks Traveling on site	Number of Vehicles	0	66	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Feb-49	10	184							
Deliveries Traveling on site	Number of Vehicles	3	66	May-48	Feb-49	10	184	0.0003	0.0006	0.0006	0.0001	0.0000	2.0013	0.0000
				May-48	Feb-49	10	184							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-48	Feb-49	10	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Feb-49	10	184							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.0013*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	6/18/2041	12/19/2041	7	133	0.006	0.005	0.000	0.000	0.000	2.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	6/18/2041	12/19/2041	7	133	0.030	0.002	0.000	0.000	0.000	9.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	6/18/2041	12/19/2041	7	133	0.034	0.003	0.000	0.000	0.002	5.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2041	12/19/2041	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.070*	*0.010*	*0.000*	*0.000*	*0.002*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/4/2041	8/11/2042	9	179	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	12/4/2041	8/11/2042	9	179	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	12/4/2041	8/11/2042	9	179	0.021	0.004	0.000	0.000	0.003	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/4/2041	8/11/2042	9	179	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	12/4/2041	8/11/2042	9	179	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/4/2041	8/11/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/4/2041	8/11/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/4/2041	8/11/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/4/2041	8/11/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/4/2041	8/11/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.085*	*0.022*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	3/25/2042	7/25/2042	5	89	0.025	0.003	0.000	0.000	0.000	17.8	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	3/25/2042	7/25/2042	5	89	0.202	0.020	0.001	0.001	0.004	79.3	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	3/25/2042	7/25/2042	5	89	0.025	0.002	0.000	0.000	0.000	10.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	3/25/2042	7/25/2042	5	89	0.036	0.009	0.001	0.000	0.005	18.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	3/25/2042	7/25/2042	5	89	0.024	0.003	0.000	0.000	0.001	3.9	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	3/25/2042	7/25/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	3/25/2042	7/25/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	3/25/2042	7/25/2042	5	89	0.021	0.002	0.000	0.000	0.001	3.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	3/25/2042	7/25/2042	5	89	0.013	0.010	0.000	0.000	0.000	6.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2042	7/25/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.346*	*0.048*	*0.002*	*0.002*	*0.012*	*141*	*0.001*
Decking - 12 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/25/2042	9/17/2042	4	61	0.008	0.001	0.000	0.000	0.000	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	6/25/2042	9/17/2042	4	61	0.009	0.001	0.000	0.000	0.000	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	6/25/2042	9/17/2042	4	61	0.003	0.002	0.000	0.000	0.000	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	6/25/2042	9/17/2042	4	61	0.019	0.002	0.000	0.000	0.000	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	6/25/2042	9/17/2042	4	61	0.006	0.000	0.000	0.000	0.000	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2042	9/17/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2042	9/17/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2042	9/17/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/25/2042	9/17/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2042	9/17/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.044*	*0.006*	*0.000*	*0.000*	*0.001*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	9/17/2042	5/18/2043	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	9/17/2042	5/18/2043	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/17/2042	5/18/2043	9	174	0.018	0.002	0.000	0.000	0.000	12.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	9/17/2042	5/18/2043	9	174	0.018	0.020	0.001	0.001	0.001	6.2	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	9/17/2042	5/18/2043	9	174	0.019	0.024	0.001	0.001	0.001	7.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	9/17/2042	5/18/2043	9	174	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	9/17/2042	5/18/2043	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/17/2042	5/18/2043	9	174	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/17/2042	5/18/2043	9	174	0.010	0.001	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2042	5/18/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.126*	*0.099*	*0.003*	*0.003*	*0.006*	*72*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/12/2045	2/4/2047	15	300	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/12/2045	2/4/2047	15	300	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/12/2045	2/4/2047	15	300	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/12/2045	2/4/2047	15	300	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/5/2047	2/3/2048	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/5/2047	2/3/2048	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	2/5/2047	2/3/2048	13	260	0.043	0.003	0.000	0.000	0.001	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.137*	*0.021*	*0.001*	*0.001*	*0.014*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	3.1	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	2/5/2047	8/5/2047	7	130	0.016	0.002	0.000	0.000	0.000	8.4	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	2/5/2047	8/5/2047	7	130	0.024	0.002	0.000	0.000	0.001	4.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/5/2047	8/5/2047	7	130	0.007	0.005	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	8/5/2047	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.009*	*0.000*	*0.000*	*0.002*	*19*	*0.000*
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/22/2047	10/14/2047	4	61	0.008	0.001	0.000	0.000	0.000	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/22/2047	10/14/2047	4	61	0.009	0.001	0.000	0.000	0.000	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	7/22/2047	10/14/2047	4	61	0.010	0.008	0.000	0.000	0.001	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	7/22/2047	10/14/2047	4	61	0.017	0.002	0.000	0.000	0.000	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	7/22/2047	10/14/2047	4	61	0.041	0.003	0.000	0.000	0.002	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/22/2047	10/14/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/22/2047	10/14/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/22/2047	10/14/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/22/2047	10/14/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/22/2047	10/14/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.085*	*0.015*	*0.000*	*0.000*	*0.004*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	8/5/2047	3/30/2048	8	171	0.020	0.002	0.000	0.000	0.000	14.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	8/5/2047	3/30/2048	8	171	0.018	0.002	0.000	0.000	0.000	9.7	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	8/5/2047	3/30/2048	8	171	0.022	0.005	0.000	0.000	0.003	10.3	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	8/5/2047	3/30/2048	8	171	0.021	0.004	0.000	0.000	0.003	9.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/5/2047	3/30/2048	8	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.082*	*0.013*	*0.001*	*0.001*	*0.007*	*44*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-41	Dec-41	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jun-41	Dec-41	7	133			0.0099	0.0075			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jun-41	Dec-41	7	133			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-41	Dec-41	7	133	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0076*	*0.0000*	*0.0210*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Aug-42	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Aug-42	9	179			0.0223	0.0132			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Dec-41	Aug-42	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0223*	*0.0132*	*0.0000*	*0.0123*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Jul-42	5	89			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-42	Jul-42	5	89			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Mar-42	Jul-42	5	89			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Mar-42	Jul-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Mar-42	Jul-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0210	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Mar-42	Jul-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Mar-42	Jul-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Mar-42	Jul-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Mar-42	Jul-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0295	0.0000
				0.00	Mar-42	Jul-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0206*	*0.0119*	*0.0000*	*0.0610*	*0.0000*
Decking - 12 Weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-42	Sep-42	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-42	Sep-42	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-42	Sep-42	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-42	Sep-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	May-43	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Sep-42	May-43	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	1,940	Dirt		Sep-42	May-43	9	174			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	97	20	8.08	Sep-42	May-43	9	174	0.0005	0.0004	0.0000	0.0000	0.0000	0.0693	0.0000
Trucks Traveling on site	Number of Vehicles	97	Paved	9.70	Sep-42	May-43	9	174	0.0005	0.0017	0.0001	0.0000	0.0001	0.4434	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0455*	*0.0259*	*0.0001*	*0.5127*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Feb-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-45	Feb-47	15	300	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Feb-48	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Aug-47	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-47	Aug-47	7	130			0.0208	0.0123			
Truck Loading Dust	Tons of material being loaded per day	684	Dirt		Feb-47	Aug-47	7	130			0.0007	0.0001			
Truck Loading on site - idling	Number of Vehicles	57	12	4.75	Feb-47	Aug-47	7	130	0.0003	0.0002	0.0000	0.0000	0.0000	0.0397	0.0000
Trucks Traveling on site	Number of Vehicles	57	Paved	5.70	Feb-47	Aug-47	7	130	0.0002	0.0009	0.0000	0.0000	0.0000	0.2407	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0011*	*0.0216*	*0.0124*	*0.0001*	*0.2804*	*0.0000*
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Oct-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-47	Oct-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-47	Oct-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Oct-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-47	Mar-48	8	171			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Aug-47	Mar-48	8	171			0.0120	0.0071			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-47	Mar-48	8	171			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0079	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0120*	*0.0071*	*0.0000*	*0.0081*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jun-41	Dec-41	7	133							
				Jun-41	Dec-41	7	133							
				Jun-41	Dec-41	7	133							
				Jun-41	Dec-41	7	133							
Trucks Traveling on site	Number of Vehicles	4	66	Jun-41	Dec-41	7	133	0.0026	0.0089	0.0021	0.0003	0.0003	6.3314	0.0001
				Jun-41	Dec-41	7	133							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-41	Dec-41	7	133							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-41	Dec-41	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-41	Dec-41	7	133							
Totals								*0.0026*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3314*	*0.0001*
Utility Relocation & Site Preparation														
				Dec-41	Aug-42	9	179							
				Dec-41	Aug-42	9	179							
				Dec-41	Aug-42	9	179							
				Dec-41	Aug-42	9	179							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-41	Aug-42	9	179							
Deliveries Traveling on site	Number of Vehicles	4	66	Dec-41	Aug-42	9	179	0.0005	0.0012	0.0009	0.0001	0.0001	3.5873	0.0000
				Dec-41	Aug-42	9	179							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-41	Aug-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-41	Aug-42	9	179							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5873*	*0.0000*
Shoring														
				Mar-42	Jul-42	5	89							
				Mar-42	Jul-42	5	89							
				Mar-42	Jul-42	5	89							
				Mar-42	Jul-42	5	89							
Trucks Traveling on site	Number of Vehicles	5	66	Mar-42	Jul-42	5	89	0.0029	0.0103	0.0024	0.0004	0.0003	7.3366	0.0001
				Mar-42	Jul-42	5	89							
Deliveries Traveling on site	Number of Vehicles	1	66	Mar-42	Jul-42	5	89	0.0001	0.0003	0.0002	0.0000	0.0000	0.7711	0.0000
				Mar-42	Jul-42	5	89							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Mar-42	Jul-42	5	89	0.0041	0.0144	0.0034	0.0005	0.0004	10.2713	0.0001
				Mar-42	Jul-42	5	89							
Totals								*0.0072*	*0.0250*	*0.0060*	*0.0009*	*0.0008*	*18.3790*	*0.0002*
Decking - 12 Weekends							*Prorated*							
				Jun-42	Sep-42	4	36							
				Jun-42	Sep-42	4	36							
				Jun-42	Sep-42	4	36							
				Jun-42	Sep-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-42	Sep-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-42	Sep-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jun-42	Sep-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Jun-42	Sep-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-42	Sep-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-42	Sep-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*
Excavation														
				Sep-42	May-43	9	174							
				Sep-42	May-43	9	174							
				Sep-42	May-43	9	174							
				Sep-42	May-43	9	174							
Trucks Traveling on site	Number of Vehicles	97	66	Sep-42	May-43	9	174	0.0619	0.2174	0.0511	0.0076	0.0066	154.5917	0.0014
				Sep-42	May-43	9	174							
Deliveries Traveling on site	Number of Vehicles	0	66	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	May-43	9	174							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	May-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	May-43	9	174							
Totals								*0.0619*	*0.2174*	*0.0511*	*0.0076*	*0.0066*	*154.5917*	*0.0014*

LCB hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Dec-45	Feb-47	15	300	0.0048	0.0181	0.0044	0.0006	0.0005	12.8895	0.0001
				Dec-45	Feb-47	15	300							
Totals								*0.0048*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8895*	*0.0001*
MEP and Architectural finish work														
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Deliveries Traveling on site	Number of Vehicles	10	66	Feb-47	Feb-48	13	260	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Feb-47	Feb-48	13	260							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Feb-47	Aug-47	7	130							
				Feb-47	Aug-47	7	130							
				Feb-47	Aug-47	7	130							
				Feb-47	Aug-47	7	130							
Trucks Traveling on site	Number of Vehicles	57	66	Feb-47	Aug-47	7	130	0.0300	0.1189	0.0288	0.0043	0.0031	84.4410	0.0008
				Feb-47	Aug-47	7	130							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Aug-47	7	130							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Aug-47	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Aug-47	7	130							
Totals								*0.0300*	*0.1189*	*0.0288*	*0.0043*	*0.0031*	*84.4410*	*0.0008*
Decking removal - 12 weekends							*Prorated*							
				Jul-47	Oct-47	4	36							
				Jul-47	Oct-47	4	36							
				Jul-47	Oct-47	4	36							
				Jul-47	Oct-47	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Oct-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Oct-47	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jul-47	Oct-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Jul-47	Oct-47	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Oct-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Oct-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Aug-47	Mar-48	8	171							
				Aug-47	Mar-48	8	171							
				Aug-47	Mar-48	8	171							
				Aug-47	Mar-48	8	171							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Mar-48	8	171							
Deliveries Traveling on site	Number of Vehicles	3	66	Aug-47	Mar-48	8	171	0.0003	0.0007	0.0007	0.0001	0.0000	2.3769	0.0000
				Aug-47	Mar-48	8	171							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-47	Mar-48	8	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Mar-48	8	171							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.3769*	*0.0000*

LCB hauling

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	7/22/2041	6	115	0.013	0.010	0.000	0.000	0.000	5.3	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	7/22/2041	6	115	0.061	0.004	0.000	0.000	0.001	18.6	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	7/22/2041	6	115	0.068	0.006	0.000	0.000	0.004	10.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/22/2041	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.142*	*0.020*	*0.001*	*0.001*	*0.005*	*35*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/7/2041	3/24/2042	9	186	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	7/7/2041	3/24/2042	9	186	0.017	0.015	0.000	0.000	0.001	2.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	7/7/2041	3/24/2042	9	186	0.022	0.004	0.000	0.000	0.003	10.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/7/2041	3/24/2042	9	186	0.011	0.001	0.000	0.000	0.000	3.4	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	7/7/2041	3/24/2042	9	186	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/7/2041	3/24/2042	9	186	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/7/2041	3/24/2042	9	186	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/7/2041	3/24/2042	9	186	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/7/2041	3/24/2042	9	186	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/7/2041	3/24/2042	9	186	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.088*	*0.023*	*0.001*	*0.001*	*0.006*	*33*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	10/8/2041	2/15/2042	5	94	0.027	0.003	0.000	0.000	0.001	18.8	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	10/8/2041	2/15/2042	5	94	0.213	0.021	0.001	0.001	0.004	83.7	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	10/8/2041	2/15/2042	5	94	0.026	0.002	0.000	0.000	0.000	10.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	10/8/2041	2/15/2042	5	94	0.038	0.010	0.001	0.001	0.005	19.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	10/8/2041	2/15/2042	5	94	0.025	0.003	0.000	0.000	0.001	4.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	10/8/2041	2/15/2042	5	94	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	10/8/2041	2/15/2042	5	94	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	10/8/2041	2/15/2042	5	94	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	10/8/2041	2/15/2042	5	94	0.014	0.010	0.000	0.000	0.000	7.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	2/15/2042	5	94	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.365*	*0.050*	*0.002*	*0.002*	*0.013*	*148*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/16/2042	4/10/2042	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/16/2042	4/10/2042	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	1/16/2042	4/10/2042	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	1/16/2042	4/10/2042	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	1/16/2042	4/10/2042	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/16/2042	4/10/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/16/2042	4/10/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/16/2042	4/10/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/16/2042	4/10/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/16/2042	4/10/2042	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.044*	*0.006*	*0.000*	*0.000*	*0.001*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/10/2042	3/9/2043	12	238	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	4/10/2042	3/9/2043	12	238	0.028	0.045	0.001	0.001	0.001	14.9	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	4/10/2042	3/9/2043	12	238	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	4/10/2042	3/9/2043	12	238	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	4/10/2042	3/9/2043	12	238	0.019	0.025	0.001	0.001	0.001	8.0	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	4/10/2042	3/9/2043	12	238	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/10/2042	3/9/2043	12	238	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	4/10/2042	3/9/2043	12	238	0.007	0.005	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/10/2042	3/9/2043	12	238	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/10/2042	3/9/2043	12	238	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.102*	*0.003*	*0.003*	*0.006*	*74*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/15/2042	8/11/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/13/2043	3/9/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.407	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/13/2043	3/9/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2043	3/9/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/10/2043	8/8/2044	18	370	0.019	0.002	0.000	0.000	0.000	13.7	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	3/10/2043	8/8/2044	18	370	0.055	0.004	0.000	0.000	0.001	16.7	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/10/2043	8/8/2044	18	370	0.040	0.004	0.000	0.000	0.001	21.7	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	3.6	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	57.5	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	4.5	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Construction Equipment Total				*13*										*0.114*	*0.010*	*0.000*	*0.000*	*0.002*	*128*	*0.000*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)-Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	1.2	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	59.9	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	3/10/2043	8/8/2044	18	370	0.085	0.124	0.003	0.003	0.003	35.1	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	3/10/2043	8/8/2044	18	370	0.021	0.015	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/10/2043	8/8/2044	18	370	0.043	0.004	0.000	0.000	0.001	24.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/10/2043	8/8/2044	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.148*	*0.143*	*0.003*	*0.003*	*0.006*	*124*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	8/9/2044	12/11/2045	17	350	0.004	0.000	0.000	0.000	0.000	2.7	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	8/9/2044	12/11/2045	17	350	0.007	0.001	0.000	0.000	0.000	3.5	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	8/9/2044	12/11/2045	17	350	0.021	0.026	0.001	0.001	0.001	9.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	4.8	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	28.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	8/9/2044	12/11/2045	17	350	0.003	0.004	0.000	0.000	0.000	1.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	8/9/2044	12/11/2045	17	350	0.011	0.007	0.000	0.000	0.001	1.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.045*	*0.038*	*0.001*	*0.001*	*0.002*	*54*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	14.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/9/2044	12/11/2045	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	12/12/2045	9/13/2049	46	980	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	12/12/2045	9/13/2049	46	980	0.023	0.002	0.000	0.000	0.000	6.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	12/12/2045	9/13/2049	46	980	0.177	0.018	0.001	0.001	0.003	101.6	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	9/13/2049	46	980	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.203*	*0.020*	*0.001*	*0.001*	*0.004*	*114*	*0.001*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	5/30/2047	8/17/2048	16	318	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	5/30/2047	8/17/2048	16	318	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	5/30/2047	8/17/2048	16	318	0.015	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/30/2047	8/17/2048	16	318	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/30/2047	8/17/2048	16	318	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/18/2048	8/2/2049	13	250	0.015	0.001	0.000	0.000	0.000	7.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/18/2048	8/2/2049	13	250	0.010	0.002	0.000	0.000	0.002	4.3	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/18/2048	8/2/2049	13	250	0.010	0.002	0.000	0.000	0.002	4.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/18/2048	8/2/2049	13	250	0.010	0.001	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	8/2/2049	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.044*	*0.006*	*0.000*	*0.000*	*0.003*	*19*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	8/18/2048	3/6/2049	8	144	0.015	0.002	0.000	0.000	0.000	8.2	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	8/18/2048	3/6/2049	8	144	0.023	0.002	0.000	0.000	0.001	3.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	8/18/2048	3/6/2049	8	144	0.007	0.005	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/18/2048	3/6/2049	8	144	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.045*	*0.008*	*0.000*	*0.000*	*0.001*	*18*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/60)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/20/2049	5/15/2049	4	60	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/20/2049	5/15/2049	4	60	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	2/20/2049	5/15/2049	4	60	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	2/20/2049	5/15/2049	4	60	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	2/20/2049	5/15/2049	4	60	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2049	5/15/2049	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2049	5/15/2049	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2049	5/15/2049	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2049	5/15/2049	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2049	5/15/2049	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.085*	*0.015*	*0.000*	*0.000*	*0.004*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	3/6/2049	9/27/2049	7	146	0.040	0.004	0.000	0.000	0.001	27.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	3/6/2049	9/27/2049	7	146	0.035	0.004	0.000	0.000	0.001	18.9	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	3/6/2049	9/27/2049	7	146	0.043	0.010	0.001	0.001	0.006	20.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	3/6/2049	9/27/2049	7	146	0.042	0.009	0.001	0.001	0.007	18.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2049	9/27/2049	7	146	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.159*	*0.026*	*0.001*	*0.001*	*0.014*	*86*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Jul-41	6	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Feb-41	Jul-41	6	115			0.0200	0.0152			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Feb-41	Jul-41	6	115			0.0018	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Feb-41	Jul-41	6	115	0.0001	0.0000	0.0000	0.0000	0.0000	0.0092	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-41	Jul-41	6	115	0.0001	0.0002	0.0000	0.0000	0.0000	0.0596	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0218*	*0.0154*	*0.0000*	*0.0688*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-41	Mar-42	9	186			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-41	Mar-42	9	186			0.0232	0.0137			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-41	Mar-42	9	186			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0232*	*0.0137*	*0.0000*	*0.0128*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-41	Feb-42	5	94			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Oct-41	Feb-42	5	94			0.0211	0.0124			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Oct-41	Feb-42	5	94			0.0007	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Oct-41	Feb-42	5	94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0035	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Oct-41	Feb-42	5	94	0.0000	0.0001	0.0000	0.0000	0.0000	0.0225	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Oct-41	Feb-42	5	94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Oct-41	Feb-42	5	94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Oct-41	Feb-42	5	94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Oct-41	Feb-42	5	94	0.0000	0.0001	0.0000	0.0000	0.0000	0.0315	0.0000
				0.00	Oct-41	Feb-42	5	94	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0218*	*0.0125*	*0.0000*	*0.0652*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Apr-42	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Apr-42	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Apr-42	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Apr-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	Mar-43	12	238			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Apr-42	Mar-43	12	238			0.0445	0.0262			
Truck Loading Dust	Tons of material being loaded per day	1,420	Dirt		Apr-42	Mar-43	12	238			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	71	20	5.92	Apr-42	Mar-43	12	238	0.0004	0.0003	0.0000	0.0000	0.0000	0.0521	0.0000
Trucks Traveling on site	Number of Vehicles	71	Paved	7.10	Apr-42	Mar-43	12	238	0.0003	0.0013	0.0001	0.0000	0.0000	0.3330	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0015*	*0.0461*	*0.0265*	*0.0001*	*0.3850*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Aug-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Mar-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-43	Mar-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-43	Mar-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-43	Aug-44	18	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-43	Aug-44	18	370			0.0144	0.0085			
Truck Loading Dust	Tons of material being loaded per day	1,560	Dirt		Mar-43	Aug-44	18	370			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	78	20	6.50	Mar-43	Aug-44	18	370	0.0005	0.0003	0.0000	0.0000	0.0000	0.0594	0.0000
Trucks Traveling on site	Number of Vehicles	78	Paved	7.80	Mar-43	Aug-44	18	370	0.0004	0.0014	0.0001	0.0000	0.0001	0.3752	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0486	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0009*	*0.0018*	*0.0162*	*0.0088*	*0.0001*	*0.4845*	*0.0000*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)-Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-43	Aug-44	18	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-43	Aug-44	18	370			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-43	Aug-44	18	370			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Dec-45	17	350			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Aug-44	Dec-45	17	350			0.0260	0.0153			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Aug-44	Dec-45	17	350			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
				0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0260*	*0.0153*	*0.0000*	*0.0111*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Dec-45	17	350			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-44	Dec-45	17	350			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-44	Dec-45	17	350			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Sep-49	46	980			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-45	Sep-49	46	980			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-45	Sep-49	46	980			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0199*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-47	Aug-48	16	318			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-47	Aug-48	16	318			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-47	Aug-48	16	318			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	May-47	Aug-48	16	318	0.0000	0.0001	0.0000	0.0000	0.0000	0.0362	0.0000
				0.00	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0421*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-48	Aug-49	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-48	Aug-49	13	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-48	Aug-49	13	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0232	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0238*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-48	Mar-49	8	144			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-48	Mar-49	8	144			0.0202	0.0119			
Truck Loading Dust	Tons of material being loaded per day	540	Dirt		Aug-48	Mar-49	8	144			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	45	12	3.75	Aug-48	Mar-49	8	144	0.0002	0.0002	0.0000	0.0000	0.0000	0.0305	0.0000
Trucks Traveling on site	Number of Vehicles	45	Paved	4.50	Aug-48	Mar-49	8	144	0.0002	0.0007	0.0000	0.0000	0.0000	0.1833	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0207*	*0.0120*	*0.0000*	*0.2138*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-49	May-49	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-49	May-49	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-49	May-49	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0138	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-49	May-49	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0142*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-49	Sep-49	7	146			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-49	Sep-49	7	146			0.0234	0.0138			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-49	Sep-49	7	146			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0234*	*0.0138*	*0.0000*	*0.0152*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Jul-41	6	115							
				Feb-41	Jul-41	6	115							
				Feb-41	Jul-41	6	115							
				Feb-41	Jul-41	6	115							
Trucks Traveling on site	Number of Vehicles	13	66	Feb-41	Jul-41	6	115	0.0085	0.0292	0.0068	0.0010	0.0009	20.7576	0.0002
				Feb-41	Jul-41	6	115							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jul-41	6	115							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-41	Jul-41	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jul-41	6	115							
Totals								*0.0085*	*0.0292*	*0.0068*	*0.0010*	*0.0009*	*20.7576*	*0.0002*
Utility Relocation & Site Preparation														
				Jul-41	Mar-42	9	186							
				Jul-41	Mar-42	9	186							
				Jul-41	Mar-42	9	186							
				Jul-41	Mar-42	9	186							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Mar-42	9	186							
Deliveries Traveling on site	Number of Vehicles	4	66	Jul-41	Mar-42	9	186	0.0005	0.0012	0.0009	0.0001	0.0001	3.7276	0.0000
				Jul-41	Mar-42	9	186							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-41	Mar-42	9	186	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Mar-42	9	186							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.7276*	*0.0000*
Shoring														
				Oct-41	Feb-42	5	94							
				Oct-41	Feb-42	5	94							
				Oct-41	Feb-42	5	94							
				Oct-41	Feb-42	5	94							
Trucks Traveling on site	Number of Vehicles	5	66	Oct-41	Feb-42	5	94	0.0032	0.0110	0.0026	0.0004	0.0003	7.8310	0.0001
				Oct-41	Feb-42	5	94							
Deliveries Traveling on site	Number of Vehicles	1	66	Oct-41	Feb-42	5	94	0.0001	0.0003	0.0002	0.0000	0.0000	0.8477	0.0000
				Oct-41	Feb-42	5	94							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Oct-41	Feb-42	5	94	0.0045	0.0154	0.0036	0.0005	0.0005	10.9634	0.0001
				Oct-41	Feb-42	5	94							
Totals								*0.0078*	*0.0267*	*0.0064*	*0.0009*	*0.0008*	*19.6421*	*0.0002*
Decking 12 weekends							*Prorated*							
				Jan-42	Apr-42	4	36							
				Jan-42	Apr-42	4	36							
				Jan-42	Apr-42	4	36							
				Jan-42	Apr-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Apr-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Apr-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jan-42	Apr-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Jan-42	Apr-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Apr-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Apr-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*
Excavation														
				Apr-42	Mar-43	12	238							
				Apr-42	Mar-43	12	238							
				Apr-42	Mar-43	12	238							
				Apr-42	Mar-43	12	238							
Trucks Traveling on site	Number of Vehicles	71	66	Apr-42	Mar-43	12	238	0.0465	0.1633	0.0384	0.0057	0.0050	116.0811	0.0011
				Apr-42	Mar-43	12	238							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Mar-43	12	238							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-42	Mar-43	12	238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Mar-43	12	238							
Totals								*0.0465*	*0.1633*	*0.0384*	*0.0057*	*0.0050*	*116.0811*	*0.0011*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Deliveries Traveling on site	Number of Vehicles	6	66	Jul-42	Aug-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Jul-42	Aug-42	2	20							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Mar-43	3	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Jan-43	Mar-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Jan-43	Mar-43	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Mar-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)														
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
Trucks Traveling on site	Number of Vehicles	78	66	Mar-43	Aug-44	18	370	0.0512	0.1843	0.0436	0.0065	0.0054	130.9962	0.0012
				Mar-43	Aug-44	18	370							
Deliveries Traveling on site	Number of Vehicles	17	66	Mar-43	Aug-44	18	370	0.0020	0.0046	0.0039	0.0004	0.0003	14.5843	0.0001
				Mar-43	Aug-44	18	370							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Aug-44	18	370							
Totals								*0.0531*	*0.1889*	*0.0475*	*0.0069*	*0.0057*	*145.5805*	*0.0013*
Bore Tunnels from San Vicente/Santa Monica (SVSM) to Fairfax/Wilshire (FW)-Continued								*Emissions prorated for weekend work - mulitplied by 36/61*						
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
				Mar-43	Aug-44	18	370							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Aug-44	18	370							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Aug-44	18	370							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-43	Aug-44	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Aug-44	18	370							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
Trucks Traveling on site	Number of Vehicles	1	66	Aug-44	Dec-45	17	350	0.0006	0.0023	0.0006	0.0001	0.0001	1.6693	0.0000
				Aug-44	Dec-45	17	350							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Dec-45	17	350							
Cement Trucks Traveling on site	Number of Vehicles	1	66	Aug-44	Dec-45	17	350	0.0006	0.0023	0.0006	0.0001	0.0001	1.6693	0.0000
				Aug-44	Dec-45	17	350							
Totals								*0.0013*	*0.0047*	*0.0011*	*0.0002*	*0.0001*	*3.3386*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued														
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
				Aug-44	Dec-45	17	350							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Dec-45	17	350							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Dec-45	17	350							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Dec-45	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Dec-45	17	350							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Dec-45	Sep-49	46	980							
				Dec-45	Sep-49	46	980							
				Dec-45	Sep-49	46	980							
				Dec-45	Sep-49	46	980							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Sep-49	46	980							
Deliveries Traveling on site	Number of Vehicles	7	66	Dec-45	Sep-49	46	980	0.0008	0.0018	0.0017	0.0002	0.0001	5.8295	0.0001
				Dec-45	Sep-49	46	980							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Sep-49	46	980	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Sep-49	46	980							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.8295*	*0.0001*
Cast-in-place box structure														
				May-47	Aug-48	16	318							
				May-47	Aug-48	16	318							
				May-47	Aug-48	16	318							
				May-47	Aug-48	16	318							
Trucks Traveling on site	Number of Vehicles	0	66	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Aug-48	16	318							
Deliveries Traveling on site	Number of Vehicles	0	66	May-47	Aug-48	16	318	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Aug-48	16	318							
Cement Trucks Traveling on site	Number of Vehicles	8	66	May-47	Aug-48	16	318	0.0045	0.0179	0.0043	0.0006	0.0005	12.6832	0.0001
				May-47	Aug-48	16	318							
Totals								*0.0045*	*0.0179*	*0.0043*	*0.0006*	*0.0005*	*12.6832*	*0.0001*
MEP and Architectural finish work														
				Aug-48	Aug-49	13	250							
				Aug-48	Aug-49	13	250							
				Aug-48	Aug-49	13	250							
				Aug-48	Aug-49	13	250							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-48	Aug-49	13	250							
Deliveries Traveling on site	Number of Vehicles	10	66	Aug-48	Aug-49	13	250	0.0009	0.0020	0.0021	0.0002	0.0001	6.9721	0.0001
				Aug-48	Aug-49	13	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-48	Aug-49	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-48	Aug-49	13	250							
Totals								*0.0009*	*0.0020*	*0.0021*	*0.0002*	*0.0001*	*6.9721*	*0.0001*
Backfill														
				Aug-48	Mar-49	8	144							
				Aug-48	Mar-49	8	144							
				Aug-48	Mar-49	8	144							
				Aug-48	Mar-49	8	144							
Trucks Traveling on site	Number of Vehicles	45	66	Aug-48	Mar-49	8	144	0.0224	0.0908	0.0220	0.0033	0.0023	64.3633	0.0006
				Aug-48	Mar-49	8	144							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-48	Mar-49	8	144							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-48	Mar-49	8	144	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-48	Mar-49	8	144							
Totals								*0.0224*	*0.0908*	*0.0220*	*0.0033*	*0.0023*	*64.3633*	*0.0006*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking Removal - 12 weekends							*Prorated*							
				Feb-49	May-49	4	36							
				Feb-49	May-49	4	36							
				Feb-49	May-49	4	36							
				Feb-49	May-49	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-49	May-49	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	May-49	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Feb-49	May-49	4	36	0.0005	0.0012	0.0013	0.0001	0.0001	4.1604	0.0000
				Feb-49	May-49	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-49	May-49	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	May-49	4	36							
Totals								*0.0005*	*0.0012*	*0.0013*	*0.0001*	*0.0001*	*4.1604*	*0.0000*
Surface Restoration														
				Mar-49	Sep-49	7	146							
				Mar-49	Sep-49	7	146							
				Mar-49	Sep-49	7	146							
				Mar-49	Sep-49	7	146							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	Sep-49	7	146							
Deliveries Traveling on site	Number of Vehicles	6	66	Mar-49	Sep-49	7	146	0.0006	0.0013	0.0014	0.0001	0.0001	4.4500	0.0000
				Mar-49	Sep-49	7	146							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-49	Sep-49	7	146	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	Sep-49	7	146							
Totals								*0.0006*	*0.0013*	*0.0014*	*0.0001*	*0.0001*	*4.4500*	*0.0000*

K LINE NORTHERN EXTENSION - Section 3 - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.81	6.45	0.03	0.06	0.05	3,282
2043	0.30	3.78	7.22	0.03	0.11	0.10	4,474
2044	0.16	2.57	5.17	0.02	0.07	0.07	4,394
2045	0.14	1.20	5.05	0.02	0.04	0.04	3,591
2046	0.30	0.88	6.59	0.03	0.04	0.04	3,564
2047	0.25	0.66	5.23	0.02	0.03	0.03	2,682
2048	0.09	0.20	1.41	0.01	0.01	0.01	724
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.02	0.59	4
2043	0.00	0.07	0.03	0.00	1.44	0.82	18
2044	0.00	0.04	0.02	0.00	0.74	0.42	10
2045	0.00	0.03	0.01	0.00	0.49	0.28	7
2046	0.00	0.02	0.01	0.00	0.39	0.22	6
2047	0.00	0.01	0.00	0.00	0.22	0.13	2
2048	0.00	0.00	0.00	0.00	0.12	0.07	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.05	1.72	0.50	0.01	0.42	0.06	1,304
2043	0.22	7.40	2.07	0.05	1.78	0.26	5,388
2044	0.12	4.16	1.15	0.03	1.02	0.15	3,072
2045	0.08	2.66	0.72	0.02	0.67	0.10	2,003
2046	0.06	2.15	0.58	0.02	0.57	0.08	1,718
2047	0.02	0.59	0.16	0.01	0.19	0.03	587
2048	0.00	0.09	0.03	0.00	0.04	0.00	118
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.04	1.22	0.00	0.03	0.01	476
2044	0.01	0.05	1.45	0.01	0.03	0.01	565
2045	0.01	0.05	1.43	0.01	0.03	0.01	561
2046	0.01	0.05	1.40	0.01	0.03	0.01	550
2047	0.01	0.03	0.94	0.00	0.02	0.01	370
2048	0.00	0.02	0.52	0.00	0.01	0.00	205
2049	0.00	0.00	0.12	0.00	0.00	0.00	49
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.35	3.58	7.96	0.04	1.52	0.72	4,978
2043	0.54	11.30	10.54	0.08	3.36	1.19	10,355
2044	0.30	6.82	7.78	0.06	1.86	0.65	8,040
2045	0.23	3.94	7.21	0.05	1.23	0.43	6,162
2046	0.37	3.09	8.58	0.05	1.03	0.36	5,837
2047	0.28	1.28	6.34	0.03	0.46	0.19	3,641
2048	0.09	0.31	1.96	0.01	0.18	0.09	1,047
2049	0.00	0.00	0.12	0.00	0.00	0.00	49
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	2.28	30.99	52.93	0.34	10.14	3.92	41,048
BTUs							
CO2e (tons)							41,417
CO2 (metric tons)							37,238
CO2e (metric tons)							37,573

K LINE NORTHERN EXTENSION - Section 3 - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	16	0	0	0
2042	2	14	49	0	0	0
2043	2	29	55	0	1	1
2044	1	20	39	0	1	1
2045	1	9	39	0	0	0
2046	2	7	50	0	0	0
2047	2	5	40	0	0	0
2048	1	2	11	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*2*	*29*	*55*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	8	5
2043	0	1	0	0	11	6
2044	0	0	0	0	6	3
2045	0	0	0	0	4	2
2046	0	0	0	0	3	2
2047	0	0	0	0	2	1
2048	0	0	0	0	1	1
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*11*	*6*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	0	0
2042	0	13	4	0	3	0
2043	2	57	16	0	14	2
2044	1	32	9	0	8	1
2045	1	20	5	0	5	1
2046	0	16	4	0	4	1
2047	0	4	1	0	1	0
2048	0	1	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*2*	*57*	*16*	*0*	*14*	*2*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	8	0	0	0
2043	0	0	9	0	0	0
2044	0	0	11	0	0	0
2045	0	0	11	0	0	0
2046	0	0	11	0	0	0
2047	0	0	7	0	0	0
2048	0	0	4	0	0	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*11*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	27	61	0	12	5
2043	4	86	80	1	26	9
2044	2	52	59	0	14	5
2045	2	30	55	0	9	3
2046	3	24	65	0	8	3
2047	2	10	48	0	3	1
2048	1	2	15	0	1	1
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*4*	*86*	*80*	*1*	*26*	*9*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.1290	0.1290	0.1290	0.2129	0.0839	0.0839	0.0839	0.0839	0.0839	0.0839
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0065	0.0070	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1356	0.1356	0.1356	0.2201	0.0844	0.0844	0.0844	0.0844	0.0844	0.0844
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2189	0.0842	0.0842	0.0842
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0086	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2276	0.0847	0.0847	0.0847
All Areas	Equipment	0.0000	0.0000	0.1290	0.1290	0.2637	0.3476	0.2186	0.2186	0.3028	0.1681	0.1681	0.1681
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0146	0.0151	0.0086	0.0086	0.0091	0.0010	0.0010	0.0010
1.2054	Total	0.000	0.000	0.136	0.136	0.279	0.363	0.227	0.227	0.312	0.169	0.169	0.169
YEARLY TOTALS		2.187											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025	0.0025	0.0025	0.0025
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0735	0.0735	0.0735	0.0735	0.0735
HH	Equipment	0.0839	0.0839	0.0839	0.4305	0.4305	0.4305	0.4305	0.4305	0.4305	0.3466	0.4349	0.0883
	Activity	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0346	0.0353	0.0007
	Total	0.0844	0.0844	0.0844	0.4662	0.4662	0.4662	0.4662	0.4662	0.4662	0.3818	0.4708	0.0890
LBSM	Equipment	0.3384	0.3899	0.3899	0.2129	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0073	0.0081	0.0081	0.0200	0.0195	0.0195	0.0195	0.0195	0.0195	0.0199	0.0195	0.0195
	Total	0.3458	0.3981	0.3981	0.2332	0.1485	0.1485	0.1485	0.1485	0.1485	0.1825	0.1485	0.1485
All Areas	Equipment	0.4223	0.4738	0.4738	0.6434	0.5592	0.5592	0.5592	0.6301	0.6301	0.5799	0.6345	0.2879
TOTALS	Activity	0.0001	0.0001	0.0001	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0004
	Hauling	0.0078	0.0086	0.0086	0.0551	0.0547	0.0547	0.0547	0.0572	0.0572	0.0570	0.0574	0.0227
1.2054	Total	0.430	0.483	0.483	0.699	0.615	0.615	0.615	0.688	0.688	0.638	0.693	0.311
YEARLY TOTALS		6.957											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0710	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0025	0.0004	0.0004	0.0004	0.0072	0.0072	0.0072	0.0079	0.0011	0.0011	0.0626	0.0626
	Total	0.0735	0.0843	0.0843	0.0843	0.4292	0.4292	0.4292	0.4740	0.1291	0.1291	0.1915	0.1915
HH	Equipment	0.0883	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.0000	0.0000	0.0000
	Activity	0.0000	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000
	Hauling	0.0007	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.0000	0.0000	0.0000
	Total	0.0890	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.0000	0.0000	0.0000
LBSM	Equipment	0.1287	0.1287	0.1555	0.1555	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412
	Activity	0.0003	0.0003	0.0003	0.0003	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0195	0.0195	0.0197	0.0197	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470
	Total	0.1485	0.1485	0.1755	0.1755	0.2890	0.2890	0.2890	0.2890	0.2890	0.2890	0.2890	0.2890
All Areas	Equipment	0.2879	0.4707	0.4975	0.4975	0.9212	0.9212	0.9212	0.9654	0.6274	0.3692	0.3691	0.3691
TOTALS	Activity	0.0004	0.0033	0.0033	0.0033	0.0039	0.0039	0.0039	0.0039	0.0038	0.0008	0.0018	0.0018
	Hauling	0.0227	0.2012	0.2013	0.2013	0.2355	0.2355	0.2355	0.2361	0.2293	0.0481	0.1096	0.1096
1.2054	Total	0.311	0.675	0.702	0.702	1.161	1.161	1.161	1.205	0.860	0.418	0.480	0.480
YEARLY TOTALS		9.317											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1915	0.1915	0.1915	0.1915	0.1915	0.1915	0.1915	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0719	0.0719	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0053	0.0053	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
	Total	0.0773	0.0773	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
LBSM	Equipment	0.0000	0.0000	0.0868	0.3019	0.3019	0.3019	0.3019	0.3019	0.5040	0.5040	0.5040	0.5040
	Activity	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Hauling	0.0000	0.0000	0.0015	0.0712	0.0712	0.0712	0.0712	0.0712	0.0720	0.0720	0.0720	0.0720
	Total	0.0000	0.0000	0.0883	0.3743	0.3743	0.3743	0.3743	0.3743	0.5772	0.5772	0.5772	0.5772
All Areas	Equipment	0.1998	0.1998	0.2668	0.4819	0.4819	0.4819	0.4819	0.3540	0.5561	0.5561	0.5561	0.5561
TOTALS	Activity	0.0011	0.0011	0.0011	0.0023	0.0023	0.0023	0.0023	0.0013	0.0013	0.0013	0.0013	0.0013
	Hauling	0.0679	0.0679	0.0693	0.1390	0.1390	0.1390	0.1390	0.0764	0.0772	0.0772	0.0772	0.0772
1.2054	Total	0.269	0.269	0.337	0.623	0.623	0.623	0.623	0.432	0.6346	0.6346	0.635	0.635
YEARLY TOTALS		6.338											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0000	0.0000	0.0000	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
HH	Equipment	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.1558	0.1558	0.1558	0.1558	0.1558
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0956	0.0956	0.0956	0.0956	0.0956
	Total	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.2530	0.2530	0.2530	0.2530	0.2530
LBSM	Equipment	0.5040	0.5040	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486	0.2486
	Activity	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0720	0.0720	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.5772	0.5772	0.2508	0.2508	0.2508	0.2508	0.2508	0.2508	0.2508	0.2508	0.2508	0.2508
All Areas	Equipment	0.5561	0.5561	0.3008	0.3008	0.3516	0.3516	0.3516	0.4553	0.4553	0.4553	0.4553	0.4553
TOTALS	Activity	0.0013	0.0013	0.0001	0.0001	0.0002	0.0002	0.0002	0.0017	0.0017	0.0017	0.0017	0.0017
	Hauling	0.0772	0.0772	0.0073	0.0073	0.0121	0.0121	0.0121	0.1025	0.1025	0.1025	0.1025	0.1025
1.2054	Total	0.635	0.635	0.308	0.308	0.364	0.364	0.364	0.560	0.560	0.560	0.560	0.560
YEARLY TOTALS		5.775											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.1942	0.1942	0.1942	0.1942	0.1942
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0376	0.0376	0.0376	0.0376	0.0376
	Total	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.2324	0.2324	0.2324	0.2324	0.2324
HH	Equipment	0.1558	0.1558	0.1558	0.3097	0.3097	0.3097	0.1557	0.1557	0.1557	0.1557	0.1557	0.1073
	Activity	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0956	0.0956	0.0956	0.0020	0.0020	0.0020	0.0014	0.0014	0.0014	0.0014	0.0014	0.0004
	Total	0.2530	0.2530	0.2530	0.3117	0.3117	0.3117	0.1572	0.1572	0.1572	0.1572	0.1572	0.1077
LBSM	Equipment	0.2486	0.2486	0.2021	0.2535	0.2535	0.2535	0.2535	0.2535	0.2535	0.2535	0.2535	0.2535
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0008	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
	Total	0.2508	0.2508	0.2029	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591	0.2591
All Areas	Equipment	0.4553	0.4553	0.4088	0.6140	0.6140	0.6140	0.4600	0.6033	0.6033	0.6033	0.6033	0.5549
TOTALS	Activity	0.0017	0.0017	0.0017	0.0002	0.0002	0.0002	0.0002	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.1025	0.1025	0.1012	0.0123	0.0123	0.0123	0.0118	0.0446	0.0446	0.0446	0.0446	0.0435
1.2054	Total	0.560	0.560	0.512	0.627	0.627	0.627	0.472	0.649	0.649	0.649	0.649	0.599
YEARLY TOTALS		7.176											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.2787	0.3059	0.3059	0.2214	0.2214	0.2214	0.2214	0.0760	0.0760	0.0000	0.0000	0.0000
	Activity	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0382	0.0019	0.0019	0.0013	0.0013	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000
	Total	0.3176	0.3078	0.3078	0.2227	0.2227	0.2227	0.2227	0.0762	0.0762	0.0000	0.0000	0.0000
HH	Equipment	0.1073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.2535	0.2535	0.2535	0.2535	0.2535	0.2478	0.2478	0.2478	0.2956	0.2956	0.2956	0.2956
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0055	0.0055	0.0055	0.0055	0.0055	0.0017	0.0017	0.0017	0.0202	0.0202	0.0202	0.0202
	Total	0.2591	0.2591	0.2591	0.2591	0.2591	0.2496	0.2496	0.2496	0.3161	0.3161	0.3161	0.3161
All Areas	Equipment	0.6395	0.5594	0.5594	0.4748	0.4748	0.4692	0.4692	0.3238	0.3715	0.2956	0.2956	0.2956
TOTALS	Activity	0.0007	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0440	0.0074	0.0074	0.0068	0.0068	0.0030	0.0030	0.0020	0.0205	0.0202	0.0202	0.0202
1.2054	Total	0.684	0.567	0.567	0.482	0.482	0.472	0.472	0.326	0.392	0.316	0.316	0.316
YEARLY TOTALS		5.393											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.2956	0.4814	0.1807	0.1807	0.1349	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0202	0.0028	0.0014	0.0014	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3161	0.4843	0.1821	0.1821	0.1354	0.1354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.2956	0.4814	0.1807	0.1807	0.1349	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0202	0.0028	0.0014	0.0014	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.2054	Total	0.316	0.484	0.182	0.182	0.135	0.135	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		1.436											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3282	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0177	0.0177	0.0177	0.0399	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0224	0.0236	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.86	Total	0.0000	0.0000	0.0403	0.0403	0.0403	0.0637	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0407	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0289	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0698	0.0234	0.0234	0.0234
All Areas	Equipment	0.0000	0.0000	0.0177	0.0177	0.0362	0.0584	0.0406	0.0406	0.0629	0.0444	0.0444	0.0444
TOTALS	Activity	0.0000	0.0000	0.0002	0.0002	0.0005	0.0005	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0501	0.0513	0.0288	0.0288	0.0300	0.0024	0.0024	0.0024
1.2727	Total	0.000	0.000	0.040	0.040	0.087	0.110	0.070	0.070	0.093	0.047	0.047	0.047
YEARLY TOTALS		0.651											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089
0.3282	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187
HH	Equipment	0.0222	0.0222	0.0222	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0506	0.0627	0.0121
	Activity	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0012	0.0000
	Hauling	0.0012	0.0012	0.0012	0.1224	0.1224	0.1224	0.1224	0.1224	0.1224	0.1212	0.1228	0.0016
0.86	Total	0.0234	0.0234	0.0234	0.1963	0.1963	0.1963	0.1963	0.1963	0.1963	0.1730	0.1867	0.0137
LBSM	Equipment	0.0597	0.0667	0.0667	0.1236	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0006	0.0006
	Hauling	0.0243	0.0262	0.0262	0.0698	0.0686	0.0686	0.0686	0.0686	0.0686	0.0694	0.0686	0.0686
	Total	0.0842	0.0932	0.0932	0.1940	0.1706	0.1706	0.1706	0.1706	0.1706	0.1743	0.1706	0.1706
All Areas	Equipment	0.0819	0.0889	0.0889	0.1964	0.1742	0.1742	0.1742	0.1839	0.1839	0.1647	0.1738	0.1232
TOTALS	Activity	0.0002	0.0003	0.0003	0.0018	0.0018	0.0018	0.0018	0.0019	0.0019	0.0019	0.0019	0.0007
	Hauling	0.0255	0.0274	0.0274	0.1921	0.1909	0.1909	0.1909	0.1998	0.1998	0.1995	0.2003	0.0791
1.2727	Total	0.108	0.117	0.117	0.390	0.367	0.367	0.367	0.386	0.386	0.366	0.376	0.203
YEARLY TOTALS		3.548											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0097	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008
	Activity	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021
	Hauling	0.0089	0.0010	0.0010	0.0010	0.0253	0.0253	0.0253	0.0268	0.0026	0.0026	0.2253	0.2253
0.3282	Total	0.0187	0.0232	0.0232	0.0232	0.0944	0.0944	0.0944	0.1020	0.0308	0.0308	0.3282	0.3282
HH	Equipment	0.0121	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.0000	0.0000	0.0000
	Activity	0.0000	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000
	Hauling	0.0016	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.0000	0.0000	0.0000
0.86	Total	0.0137	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.0000	0.0000	0.0000
LBSM	Equipment	0.1014	0.1014	0.1036	0.1036	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400
	Activity	0.0006	0.0006	0.0007	0.0007	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0686	0.0686	0.0689	0.0689	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671
	Total	0.1706	0.1706	0.1732	0.1732	0.3087	0.3087	0.3087	0.3087	0.3087	0.3087	0.3087	0.3087
All Areas	Equipment	0.1232	0.3269	0.3291	0.3291	0.4123	0.4123	0.4123	0.4183	0.3716	0.1682	0.2408	0.2408
TOTALS	Activity	0.0007	0.0068	0.0068	0.0068	0.0080	0.0080	0.0080	0.0080	0.0078	0.0016	0.0037	0.0037
	Hauling	0.0791	0.7221	0.7225	0.7225	0.8449	0.8449	0.8449	0.8464	0.8222	0.1697	0.3924	0.3924
1.2727	Total	0.203	1.056	1.058	1.058	1.265	1.265	1.265	1.273	1.202	0.339	0.637	0.637
YEARLY TOTALS		11.259											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2253	0.2253	0.2253	0.2253	0.2253	0.2253	0.2253	0.0000	0.0000	0.0000	0.0000	0.0000
0.3282	Total	0.3282	0.3282	0.3282	0.3282	0.3282	0.3282	0.3282	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0062	0.0062	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0190	0.0190	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189
0.86	Total	0.0254	0.0254	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235
LBSM	Equipment	0.0000	0.0000	0.0429	0.1878	0.1878	0.1878	0.1878	0.1878	0.2073	0.2073	0.2073	0.2073
	Activity	0.0000	0.0000	0.0001	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
	Hauling	0.0000	0.0000	0.0053	0.2600	0.2600	0.2600	0.2600	0.2600	0.2618	0.2618	0.2618	0.2618
	Total	0.0000	0.0000	0.0483	0.4503	0.4503	0.4503	0.4503	0.4503	0.4716	0.4716	0.4716	0.4716
All Areas	Equipment	0.1070	0.1070	0.1481	0.2930	0.2930	0.2930	0.2930	0.1922	0.2118	0.2118	0.2118	0.2118
TOTALS	Activity	0.0023	0.0023	0.0024	0.0048	0.0048	0.0048	0.0048	0.0026	0.0027	0.0027	0.0027	0.0027
	Hauling	0.2443	0.2443	0.2495	0.5042	0.5042	0.5042	0.5042	0.2789	0.2807	0.2807	0.2807	0.2807
1.2727	Total	0.354	0.354	0.400	0.802	0.802	0.802	0.8019	0.4737	0.4951	0.4951	0.495	0.495
YEARLY TOTALS		6.769											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181
0.3282	Total	0.0000	0.0000	0.0000	0.0000	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
HH	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0263	0.0263	0.0263	0.0263	0.0263
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0034	0.0034	0.0034	0.0034	0.0034
	Hauling	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.3592	0.3592	0.3592	0.3592	0.3592
0.86	Total	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.3889	0.3889	0.3889	0.3889	0.3889
LBSM	Equipment	0.2073	0.2073	0.0591	0.0591	0.0591	0.0591	0.0591	0.0591	0.0591	0.0591	0.0591	0.0591
	Activity	0.0025	0.0025	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.2618	0.2618	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067
	Total	0.4716	0.4716	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
All Areas	Equipment	0.2118	0.2118	0.0635	0.0635	0.0678	0.0678	0.0678	0.0897	0.0897	0.0897	0.0897	0.0897
TOTALS	Activity	0.0027	0.0027	0.0002	0.0002	0.0004	0.0004	0.0004	0.0037	0.0037	0.0037	0.0037	0.0037
	Hauling	0.2807	0.2807	0.0255	0.0255	0.0437	0.0437	0.0437	0.3840	0.3840	0.3840	0.3840	0.3840
1.2727	Total	0.495	0.495	0.089	0.089	0.112	0.112	0.112	0.4774	0.4774	0.477	0.477	0.477
YEARLY TOTALS		3.891											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0309	0.0309	0.0309	0.0309	0.0309
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014	0.0014
	Hauling	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.1436	0.1436	0.1436	0.1436	0.1436
0.3282	Total	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.1760	0.1760	0.1760	0.1760	0.1760
HH	Equipment	0.0263	0.0263	0.0263	0.0412	0.0412	0.0412	0.0238	0.0238	0.0238	0.0238	0.0238	0.0174
	Activity	0.0034	0.0034	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3592	0.3592	0.3592	0.0047	0.0047	0.0047	0.0033	0.0033	0.0033	0.0033	0.0033	0.0008
0.86	Total	0.3889	0.3889	0.3889	0.0459	0.0459	0.0459	0.0271	0.0271	0.0271	0.0271	0.0271	0.0183
LBSM	Equipment	0.0591	0.0591	0.0195	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239
	Activity	0.0001	0.0001	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0067	0.0067	0.0018	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201	0.0201
	Total	0.0658	0.0658	0.0214	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442
All Areas	Equipment	0.0897	0.0897	0.0501	0.0695	0.0695	0.0695	0.0520	0.0786	0.0786	0.0786	0.0786	0.0723
TOTALS	Activity	0.0037	0.0037	0.0036	0.0004	0.0004	0.0004	0.0004	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.3840	0.3840	0.3792	0.0429	0.0429	0.0429	0.0415	0.1670	0.1670	0.1670	0.1670	0.1645
1.2727	Total	0.477	0.477	0.433	0.113	0.113	0.113	0.094	0.247	0.247	0.247	0.247	0.238
YEARLY TOTALS		3.047											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0457	0.0490	0.0490	0.0342	0.0342	0.0342	0.0342	0.0123	0.0123	0.0000	0.0000	0.0000
	Activity	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1450	0.0043	0.0043	0.0030	0.0030	0.0030	0.0030	0.0006	0.0006	0.0000	0.0000	0.0000
0.3282	Total	0.1920	0.0533	0.0533	0.0373	0.0373	0.0373	0.0373	0.0130	0.0130	0.0000	0.0000	0.0000
HH	Equipment	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0239	0.0239	0.0239	0.0239	0.0239	0.0255	0.0255	0.0255	0.0344	0.0344	0.0344	0.0344
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0201	0.0201	0.0201	0.0201	0.0201	0.0040	0.0040	0.0040	0.0772	0.0772	0.0772	0.0772
	Total	0.0442	0.0442	0.0442	0.0442	0.0442	0.0295	0.0295	0.0295	0.1123	0.1123	0.1123	0.1123
All Areas	Equipment	0.0870	0.0729	0.0729	0.0581	0.0581	0.0597	0.0597	0.0379	0.0467	0.0344	0.0344	0.0344
TOTALS	Activity	0.0016	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0000	0.0007	0.0007	0.0007	0.0007
	Hauling	0.1659	0.0244	0.0244	0.0231	0.0231	0.0070	0.0070	0.0046	0.0779	0.0772	0.0772	0.0772
1.2727	Total	0.254	0.097	0.097	0.081	0.081	0.067	0.067	0.043	0.125	0.112	0.112	0.112
YEARLY TOTALS		1.251											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3282	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0344	0.0646	0.0279	0.0279	0.0219	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0772	0.0065	0.0033	0.0033	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1123	0.0712	0.0312	0.0312	0.0230	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0344	0.0646	0.0279	0.0279	0.0219	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0772	0.0065	0.0033	0.0033	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.2727	Total	0.112	0.071	0.031	0.031	0.023	0.023	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.292											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0196	0.0196	0.0196	0.0416	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0052	0.0061	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0253	0.0253	0.0253	0.0488	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0429	0.0222	0.0222	0.0222
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0073	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0513	0.0236	0.0236	0.0236
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0016	0.0011	0.0011	0.0017	0.0012	0.0012	0.0012
TOTALS	Activity	0.0000	0.0000	0.0196	0.0196	0.0402	0.0623	0.0428	0.0428	0.0649	0.0443	0.0443	0.0443
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0117	0.0125	0.0073	0.0073	0.0082	0.0018	0.0018	0.0018
0.3689	Total	0.000	0.000	0.025	0.025	0.053	0.076	0.051	0.051	0.075	0.047	0.047	0.047
YEARLY TOTALS		0.499											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129
HH	Equipment	0.0006	0.0006	0.0006	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0020	0.0024	0.0004
	Activity	0.0221	0.0221	0.0221	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0274	0.0274	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0291	0.0305	0.0013
	Total	0.0236	0.0236	0.0236	0.0821	0.0821	0.0821	0.0821	0.0821	0.0821	0.0586	0.0603	0.0017
LBSM	Equipment	0.0021	0.0023	0.0023	0.0035	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0410	0.0410	0.0410	0.0670	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449
	Hauling	0.0064	0.0079	0.0079	0.0170	0.0161	0.0161	0.0161	0.0161	0.0161	0.0168	0.0161	0.0161
	Total	0.0495	0.0513	0.0513	0.0876	0.0639	0.0639	0.0639	0.0639	0.0639	0.0647	0.0639	0.0639
All Areas	Equipment	0.0027	0.0029	0.0029	0.0062	0.0056	0.0056	0.0056	0.0058	0.0058	0.0054	0.0057	0.0037
TOTALS	Activity	0.0631	0.0631	0.0631	0.1165	0.0944	0.0944	0.0944	0.1049	0.1049	0.0828	0.0828	0.0554
	Hauling	0.0073	0.0088	0.0088	0.0470	0.0461	0.0461	0.0461	0.0482	0.0482	0.0480	0.0486	0.0195
0.3689	Total	0.073	0.075	0.075	0.170	0.146	0.146	0.146	0.159	0.159	0.136	0.137	0.079
YEARLY TOTALS		1.500											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0003	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029
	Activity	0.0105	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0462	0.0462
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0534	0.0534
0.1025	Total	0.0129	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.1025	0.1025
HH	Equipment	0.0004	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000
	Activity	0.0000	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0000	0.0000	0.0000
	Hauling	0.0013	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.0000	0.0000	0.0000
	Total	0.0017	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.0000	0.0000	0.0000
LBSM	Equipment	0.0030	0.0030	0.0031	0.0031	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
	Activity	0.0449	0.0449	0.0449	0.0449	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148
	Hauling	0.0161	0.0161	0.0164	0.0164	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421
	Total	0.0639	0.0639	0.0643	0.0643	0.0603	0.0603	0.0603	0.0603	0.0603	0.0603	0.0603	0.0603
All Areas	Equipment	0.0037	0.0095	0.0096	0.0096	0.0117	0.0117	0.0117	0.0120	0.0101	0.0042	0.0063	0.0063
TOTALS	Activity	0.0554	0.1621	0.1621	0.1621	0.1522	0.1522	0.1522	0.1522	0.1320	0.0369	0.0610	0.0610
	Hauling	0.0195	0.1715	0.1718	0.1718	0.2034	0.2034	0.2034	0.2047	0.1988	0.0443	0.0955	0.0955
0.3689	Total	0.079	0.343	0.343	0.343	0.367	0.367	0.367	0.369	0.341	0.085	0.163	0.163
YEARLY TOTALS		3.332											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0049	0.0049	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
LBSM	Equipment	0.0000	0.0000	0.0016	0.0050	0.0050	0.0050	0.0050	0.0050	0.0058	0.0058	0.0058	0.0058
	Activity	0.0000	0.0000	0.0268	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433	0.0433
	Hauling	0.0000	0.0000	0.0016	0.0648	0.0648	0.0648	0.0648	0.0648	0.0664	0.0664	0.0664	0.0664
	Total	0.0000	0.0000	0.0299	0.1131	0.1131	0.1131	0.1131	0.1131	0.1155	0.1155	0.1155	0.1155
All Areas	Equipment	0.0032	0.0032	0.0047	0.0081	0.0081	0.0081	0.0081	0.0052	0.0059	0.0059	0.0059	0.0059
TOTALS	Activity	0.0462	0.0462	0.0729	0.0894	0.0894	0.0894	0.0894	0.0433	0.0433	0.0433	0.0433	0.0433
	Hauling	0.0580	0.0580	0.0594	0.1226	0.1226	0.1226	0.1226	0.0693	0.0709	0.0709	0.0709	0.0709
0.3689	Total	0.107	0.107	0.137	0.220	0.220	0.2202	0.2202	0.1177	0.1201	0.120	0.120	0.120
YEARLY TOTALS		1.830											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0011	0.0011	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0264	0.0264	0.0264	0.0264	0.0264
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0879	0.0879	0.0879	0.0879	0.0879
	Total	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.1154	0.1154	0.1154	0.1154	0.1154
LBSM	Equipment	0.0058	0.0058	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Activity	0.0433	0.0433	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268
	Hauling	0.0664	0.0664	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.1155	0.1155	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318
All Areas	Equipment	0.0059	0.0059	0.0024	0.0024	0.0025	0.0025	0.0025	0.0035	0.0035	0.0035	0.0035	0.0035
TOTALS	Activity	0.0433	0.0433	0.0268	0.0268	0.0268	0.0268	0.0268	0.0531	0.0531	0.0531	0.0531	0.0531
	Hauling	0.0709	0.0709	0.0073	0.0073	0.0116	0.0116	0.0116	0.0951	0.0951	0.0951	0.0951	0.0951
0.3689	Total	0.120	0.120	0.036	0.036	0.041	0.041	0.0409	0.1517	0.152	0.152	0.152	0.152
YEARLY TOTALS		1.194											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0017	0.0017	0.0017	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0228	0.0228	0.0228	0.0228	0.0228
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0364	0.0364	0.0364	0.0364	0.0364
0.1025	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0609	0.0609	0.0609	0.0609	0.0609
HH	Equipment	0.0011	0.0011	0.0011	0.0021	0.0021	0.0021	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010
	Activity	0.0264	0.0264	0.0264	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0157
	Hauling	0.0879	0.0879	0.0879	0.0045	0.0045	0.0045	0.0032	0.0032	0.0032	0.0032	0.0032	0.0008
	Total	0.1154	0.1154	0.1154	0.0223	0.0223	0.0223	0.0203	0.0203	0.0203	0.0203	0.0203	0.0175
LBSM	Equipment	0.0022	0.0022	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0268	0.0268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0016	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0318	0.0318	0.0024	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
All Areas	Equipment	0.0035	0.0035	0.0020	0.0031	0.0031	0.0031	0.0024	0.0039	0.0039	0.0039	0.0039	0.0035
TOTALS	Activity	0.0531	0.0531	0.0264	0.0158	0.0158	0.0158	0.0158	0.0386	0.0386	0.0386	0.0386	0.0386
	Hauling	0.0951	0.0951	0.0939	0.0149	0.0149	0.0149	0.0136	0.0456	0.0456	0.0456	0.0456	0.0433
0.3689	Total	0.152	0.152	0.122	0.034	0.034	0.034	0.032	0.088	0.088	0.088	0.088	0.085
YEARLY TOTALS		0.996											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0021	0.0024	0.0024	0.0020	0.0020	0.0020	0.0020	0.0007	0.0007	0.0000	0.0000	0.0000
	Activity	0.0228	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0111	0.0111	0.0000	0.0000	0.0000
	Hauling	0.0377	0.0043	0.0043	0.0030	0.0030	0.0030	0.0030	0.0007	0.0007	0.0000	0.0000	0.0000
0.1025	Total	0.0626	0.0178	0.0178	0.0162	0.0162	0.0162	0.0162	0.0125	0.0125	0.0000	0.0000	0.0000
HH	Equipment	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0011	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0219	0.0219	0.0219	0.0219
	Hauling	0.0060	0.0060	0.0060	0.0060	0.0060	0.0039	0.0039	0.0039	0.0216	0.0216	0.0216	0.0216
	Total	0.0070	0.0070	0.0070	0.0070	0.0070	0.0050	0.0050	0.0050	0.0449	0.0449	0.0449	0.0449
All Areas	Equipment	0.0039	0.0033	0.0033	0.0029	0.0029	0.0031	0.0031	0.0018	0.0021	0.0014	0.0014	0.0014
TOTALS	Activity	0.0386	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0331	0.0219	0.0219	0.0219
	Hauling	0.0446	0.0103	0.0103	0.0090	0.0090	0.0069	0.0069	0.0045	0.0222	0.0216	0.0216	0.0216
0.3689	Total	0.087	0.025	0.025	0.023	0.023	0.021	0.021	0.017	0.057	0.045	0.045	0.045
YEARLY TOTALS		0.435											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0014	0.0028	0.0016	0.0016	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0219	0.0198	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0216	0.0065	0.0034	0.0034	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0449	0.0291	0.0247	0.0247	0.0222	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0014	0.0028	0.0016	0.0016	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0219	0.0198	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0216	0.0065	0.0034	0.0034	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3689	Total	0.045	0.029	0.025	0.025	0.022	0.022	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.168											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
0.0010	Activity	0.0000	0.0000	0.0140	0.0140	0.0140	0.0270	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0008	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0152	0.0152	0.0152	0.0289	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005
0.0020	Activity	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0277	0.0131	0.0131	0.0131
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0011	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0298	0.0137	0.0137	0.0137
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0015	0.0010	0.0010	0.0016	0.0011	0.0011	0.0011
TOTALS	Activity	0.0000	0.0000	0.0140	0.0140	0.0286	0.0416	0.0277	0.0277	0.0407	0.0261	0.0261	0.0261
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0017	0.0018	0.0011	0.0011	0.0011	0.0002	0.0002	0.0002
0.1273	Total	0.000	0.000	0.015	0.015	0.031	0.045	0.030	0.030	0.043	0.027	0.027	0.027
YEARLY TOTALS		0.292											

$PM_{2.5}$ TOTALS

Phase		Source	2042											
			1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
HH		Equipment	0.0005	0.0005	0.0005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0019	0.0023	0.0004
	0.0010	Activity	0.0130	0.0130	0.0130	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0147	0.0147	0.0000
		Hauling	0.0001	0.0001	0.0001	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0043	0.0044	0.0001
		Total	0.0137	0.0137	0.0137	0.0346	0.0346	0.0346	0.0346	0.0346	0.0346	0.0210	0.0215	0.0005
LBSM		Equipment	0.0020	0.0022	0.0022	0.0033	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
	0.0020	Activity	0.0239	0.0239	0.0239	0.0393	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
		Hauling	0.0009	0.0011	0.0011	0.0025	0.0024	0.0024	0.0024	0.0024	0.0024	0.0025	0.0024	0.0024
		Total	0.0268	0.0272	0.0272	0.0450	0.0313	0.0313	0.0313	0.0313	0.0313	0.0315	0.0313	0.0313
All Areas		Equipment	0.0025	0.0028	0.0028	0.0058	0.0052	0.0052	0.0052	0.0055	0.0055	0.0050	0.0053	0.0034
TOTALS		Activity	0.0369	0.0370	0.0370	0.0670	0.0539	0.0539	0.0539	0.0616	0.0616	0.0486	0.0486	0.0338
		Hauling	0.0010	0.0012	0.0012	0.0069	0.0068	0.0068	0.0068	0.0071	0.0071	0.0071	0.0072	0.0028
	0.1273	Total	0.040	0.041	0.041	0.080	0.066	0.066	0.066	0.074	0.074	0.061	0.061	0.040
YEARLY TOTALS			0.710											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0003	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027
0.0007	Activity	0.0077	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0263	0.0263
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0079	0.0079
0.0369	Total	0.0082	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0369	0.0369
HH	Equipment	0.0004	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0000	0.0000	0.0000
	Total	0.0005	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0000	0.0000	0.0000
LBSM	Equipment	0.0027	0.0027	0.0028	0.0028	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
0.0020	Activity	0.0262	0.0262	0.0262	0.0262	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
	Hauling	0.0024	0.0024	0.0024	0.0024	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Total	0.0313	0.0313	0.0314	0.0314	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172
All Areas	Equipment	0.0034	0.0088	0.0089	0.0089	0.0109	0.0109	0.0109	0.0111	0.0093	0.0038	0.0058	0.0058
TOTALS	Activity	0.0338	0.0925	0.0925	0.0925	0.0860	0.0860	0.0860	0.0860	0.0744	0.0211	0.0343	0.0343
	Hauling	0.0028	0.0255	0.0255	0.0255	0.0301	0.0301	0.0301	0.0302	0.0293	0.0063	0.0141	0.0141
0.1273	Total	0.040	0.127	0.127	0.127	0.127	0.127	0.127	0.127	0.113	0.031	0.054	0.054
YEARLY TOTALS		1.181											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0009	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
LBSM	Equipment	0.0000	0.0000	0.0015	0.0046	0.0046	0.0046	0.0046	0.0046	0.0053	0.0053	0.0053	0.0053
0.0020	Activity	0.0000	0.0000	0.0158	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244	0.0244
	Hauling	0.0000	0.0000	0.0002	0.0095	0.0095	0.0095	0.0095	0.0095	0.0096	0.0096	0.0096	0.0096
	Total	0.0000	0.0000	0.0175	0.0385	0.0385	0.0385	0.0385	0.0385	0.0394	0.0394	0.0394	0.0394
All Areas	Equipment	0.0030	0.0030	0.0044	0.0075	0.0075	0.0075	0.0075	0.0048	0.0055	0.0055	0.0055	0.0055
TOTALS	Activity	0.0263	0.0263	0.0420	0.0507	0.0507	0.0507	0.0507	0.0244	0.0244	0.0244	0.0244	0.0244
	Hauling	0.0086	0.0086	0.0088	0.0181	0.0181	0.0181	0.0181	0.0101	0.0103	0.0103	0.0103	0.0103
0.1273	Total	0.038	0.038	0.055	0.076	0.076	0.076	0.076	0.039	0.0402	0.0402	0.040	0.040
YEARLY TOTALS		0.636											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0146
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0130	0.0130	0.0130	0.0130	0.0130
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0286	0.0286	0.0286	0.0286	0.0286
LBSM	Equipment	0.0053	0.0053	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
0.0020	Activity	0.0244	0.0244	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
	Hauling	0.0096	0.0096	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0394	0.0394	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182
All Areas	Equipment	0.0055	0.0055	0.0023	0.0023	0.0025	0.0025	0.0025	0.0033	0.0033	0.0033	0.0033	0.0033
TOTALS	Activity	0.0244	0.0244	0.0158	0.0158	0.0158	0.0158	0.0158	0.0304	0.0304	0.0304	0.0304	0.0304
	Hauling	0.0103	0.0103	0.0010	0.0010	0.0017	0.0017	0.0017	0.0139	0.0139	0.0139	0.0139	0.0139
0.1273	Total	0.040	0.040	0.019	0.019	0.020	0.020	0.020	0.0476	0.0476	0.048	0.048	0.048
YEARLY TOTALS		0.416											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131	0.0131	0.0131	0.0131	0.0131
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0053	0.0053	0.0053	0.0053	0.0053
0.0369	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0199	0.0199	0.0199	0.0199	0.0199
HH	Equipment	0.0010	0.0010	0.0010	0.0019	0.0019	0.0019	0.0012	0.0012	0.0012	0.0012	0.0012	0.0009
0.0010	Activity	0.0146	0.0146	0.0146	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
	Hauling	0.0130	0.0130	0.0130	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001
	Total	0.0286	0.0286	0.0286	0.0117	0.0117	0.0117	0.0109	0.0109	0.0109	0.0109	0.0109	0.0103
LBSM	Equipment	0.0021	0.0021	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0020	Activity	0.0158	0.0158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0182	0.0182	0.0009	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
All Areas	Equipment	0.0033	0.0033	0.0020	0.0030	0.0030	0.0030	0.0023	0.0037	0.0037	0.0037	0.0037	0.0034
TOTALS	Activity	0.0304	0.0304	0.0146	0.0093	0.0093	0.0093	0.0093	0.0224	0.0224	0.0224	0.0224	0.0224
	Hauling	0.0139	0.0139	0.0138	0.0019	0.0019	0.0019	0.0018	0.0064	0.0064	0.0064	0.0064	0.0062
0.1273	Total	0.048	0.048	0.030	0.014	0.014	0.014	0.013	0.0325	0.0325	0.033	0.033	0.032
YEARLY TOTALS		0.344											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0019	0.0022	0.0022	0.0019	0.0019	0.0019	0.0019	0.0006	0.0006	0.0000	0.0000	0.0000
0.0007	Activity	0.0131	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000
	Hauling	0.0054	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000
0.0369	Total	0.0204	0.0092	0.0092	0.0087	0.0087	0.0087	0.0087	0.0073	0.0073	0.0000	0.0000	0.0000
HH	Equipment	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0011	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014
0.0020	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0127	0.0127	0.0127	0.0127
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0004	0.0004	0.0004	0.0030	0.0030	0.0030	0.0030
	Total	0.0017	0.0017	0.0017	0.0017	0.0017	0.0015	0.0015	0.0015	0.0171	0.0171	0.0171	0.0171
All Areas	Equipment	0.0037	0.0032	0.0032	0.0028	0.0028	0.0029	0.0029	0.0017	0.0020	0.0014	0.0014	0.0014
TOTALS	Activity	0.0224	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0193	0.0127	0.0127	0.0127
	Hauling	0.0063	0.0013	0.0013	0.0011	0.0011	0.0007	0.0007	0.0005	0.0031	0.0030	0.0030	0.0030
0.1273	Total	0.032	0.011	0.011	0.010	0.010	0.010	0.010	0.009	0.024	0.017	0.017	0.017
YEARLY TOTALS		0.180											

$PM_{2.5}$ TOTALS

Phase		Source	2048											
			1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0014	0.0026	0.0015	0.0015	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0020	Activity	0.0127	0.0117	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0030	0.0007	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0171	0.0150	0.0135	0.0135	0.0129	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0014	0.0026	0.0015	0.0015	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS		Activity	0.0127	0.0117	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0030	0.0007	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.1273	Total	0.017	0.015	0.013	0.013	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS			0.085											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0043	0.0043	0.0043	0.0103	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0007	0.0007	0.0007	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0050	0.0050	0.0050	0.0111	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0105	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0115	0.0061	0.0061	0.0061
All Areas	Equipment	0.0000	0.0000	0.0043	0.0043	0.0088	0.0148	0.0105	0.0105	0.0165	0.0120	0.0120	0.0120
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0007	0.0007	0.0016	0.0016	0.0009	0.0009	0.0010	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.005	0.005	0.010	0.016	0.011	0.011	0.018	0.012	0.012	0.012
YEARLY TOTALS		0.114											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
HH	Equipment	0.0060	0.0060	0.0060	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0131	0.0153	0.0022
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001
	Total	0.0061	0.0061	0.0061	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0168	0.0192	0.0023
LBSM	Equipment	0.0157	0.0170	0.0170	0.0122	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0009	0.0009	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0166	0.0180	0.0180	0.0144	0.0083	0.0083	0.0083	0.0083	0.0083	0.0089	0.0083	0.0083
All Areas	Equipment	0.0218	0.0231	0.0231	0.0313	0.0253	0.0253	0.0253	0.0276	0.0276	0.0222	0.0238	0.0108
TOTALS	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0009	0.0010	0.0010	0.0059	0.0059	0.0059	0.0059	0.0061	0.0061	0.0061	0.0062	0.0024
	Total	0.023	0.024	0.024	0.037	0.031	0.031	0.031	0.034	0.034	0.028	0.030	0.013
YEARLY TOTALS		0.341											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0024	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0067	0.0067
	Total	0.0026	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0129	0.0129
HH	Equipment	0.0022	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000
	Activity	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0000	0.0000	0.0000
	Total	0.0023	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0000	0.0000	0.0000
LBSM	Equipment	0.0062	0.0062	0.0066	0.0066	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0083	0.0083	0.0088	0.0088	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
All Areas	Equipment	0.0108	0.0246	0.0251	0.0251	0.0372	0.0372	0.0372	0.0383	0.0266	0.0142	0.0132	0.0132
TOTALS	Activity	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0001	0.0002	0.0002
	Hauling	0.0024	0.0214	0.0214	0.0214	0.0251	0.0251	0.0251	0.0252	0.0245	0.0052	0.0117	0.0117
	Total	0.013	0.046	0.047	0.047	0.063	0.063	0.063	0.064	0.051	0.019	0.025	0.025
YEARLY TOTALS		0.526											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0018	0.0018	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
LBSM	Equipment	0.0000	0.0000	0.0031	0.0099	0.0099	0.0099	0.0099	0.0099	0.0137	0.0137	0.0137	0.0137
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0002	0.0076	0.0076	0.0076	0.0076	0.0076	0.0077	0.0077	0.0077	0.0077
	Total	0.0000	0.0000	0.0032	0.0176	0.0176	0.0176	0.0176	0.0176	0.0215	0.0215	0.0215	0.0215
All Areas	Equipment	0.0073	0.0073	0.0101	0.0169	0.0169	0.0169	0.0169	0.0107	0.0145	0.0145	0.0145	0.0145
TOTALS	Activity	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0072	0.0072	0.0074	0.0148	0.0148	0.0148	0.0148	0.0082	0.0083	0.0083	0.0083	0.0083
	Total	0.015	0.015	0.018	0.032	0.032	0.032	0.032	0.019	0.023	0.023	0.023	0.023
YEARLY TOTALS		0.285											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
HH	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0073	0.0073	0.0073	0.0073	0.0073
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0101	0.0101	0.0101	0.0101	0.0101
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0176	0.0176	0.0176	0.0176	0.0176
LBSM	Equipment	0.0137	0.0137	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0077	0.0077	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0215	0.0215	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
All Areas	Equipment	0.0145	0.0145	0.0070	0.0070	0.0079	0.0079	0.0079	0.0143	0.0143	0.0143	0.0143	0.0143
TOTALS	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0083	0.0083	0.0008	0.0008	0.0013	0.0013	0.0013	0.0109	0.0109	0.0109	0.0109	0.0109
	Total	0.023	0.023	0.008	0.008	0.009	0.009	0.009	0.025	0.025	0.025	0.025	0.025
YEARLY TOTALS		0.216											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0159	0.0159	0.0159	0.0159	0.0159
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0040	0.0040	0.0040	0.0040	0.0040
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0200	0.0200	0.0200	0.0200	0.0200
HH	Equipment	0.0073	0.0073	0.0073	0.0193	0.0193	0.0193	0.0130	0.0130	0.0130	0.0130	0.0130	0.0093
	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0101	0.0101	0.0101	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0176	0.0176	0.0176	0.0195	0.0195	0.0195	0.0132	0.0132	0.0132	0.0132	0.0132	0.0093
LBSM	Equipment	0.0062	0.0062	0.0038	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0064	0.0064	0.0039	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
All Areas	Equipment	0.0143	0.0143	0.0119	0.0247	0.0247	0.0247	0.0185	0.0335	0.0335	0.0335	0.0335	0.0298
TOTALS	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0109	0.0109	0.0107	0.0014	0.0014	0.0014	0.0013	0.0048	0.0048	0.0048	0.0048	0.0047
	Total	0.025	0.025	0.023	0.026	0.026	0.026	0.020	0.038	0.038	0.038	0.038	0.035
YEARLY TOTALS		0.360											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0194	0.0244	0.0244	0.0209	0.0209	0.0209	0.0209	0.0066	0.0066	0.0000	0.0000	0.0000
	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0236	0.0247	0.0247	0.0211	0.0211	0.0211	0.0211	0.0066	0.0066	0.0000	0.0000	0.0000
HH	Equipment	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0073	0.0073	0.0073	0.0089	0.0089	0.0089	0.0089
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0002	0.0002	0.0002	0.0022	0.0022	0.0022	0.0022
	Total	0.0052	0.0052	0.0052	0.0052	0.0052	0.0075	0.0075	0.0075	0.0111	0.0111	0.0111	0.0111
All Areas	Equipment	0.0333	0.0290	0.0290	0.0255	0.0255	0.0282	0.0282	0.0139	0.0154	0.0089	0.0089	0.0089
TOTALS	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0047	0.0009	0.0009	0.0008	0.0008	0.0004	0.0004	0.0003	0.0022	0.0022	0.0022	0.0022
	Total	0.038	0.030	0.030	0.026	0.026	0.029	0.029	0.014	0.018	0.011	0.011	0.011
YEARLY TOTALS		0.273											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0089	0.0231	0.0152	0.0152	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0004	0.0002	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0111	0.0235	0.0154	0.0154	0.0118	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0089	0.0231	0.0152	0.0152	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0004	0.0002	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.011	0.023	0.015	0.015	0.012	0.012	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.089											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	32	32	32	63	31	31	31	31	31	31
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	16	16	16	19	4	4	4	4	4	4
	Total	-	-	48	48	48	83	35	35	35	35	35	35
LBSM	Equipment	-	-	-	-	33	33	33	33	64	31	31	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	20	20	20	20	23	4	4	4
	Total	-	-	-	-	53	53	53	53	88	35	35	35
All Areas	Equipment	-	-	32	32	65	96	64	64	96	63	63	63
TOTALS	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	16	16	36	39	23	23	27	7	7	7
	Total	-	-	48	48	101	135	88	88	123	70	70	70
YEARLY TOTALS		838.503											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
HH	Equipment	31	31	31	237	237	237	237	237	237	206	254	48
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	4	4	4	93	93	93	93	93	93	89	94	5
	Total	35	35	35	330	330	330	330	330	330	295	348	53
LBSM	Equipment	136	163	163	105	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	26	26	52	49	49	49	49	49	51	49	49
	Total	156	190	190	157	122	122	122	122	122	143	122	122
All Areas	Equipment	167	195	195	342	310	310	310	328	328	315	344	138
TOTALS	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	24	30	30	145	141	141	141	148	148	147	149	60
	Total	191	225	225	487	452	452	452	476	476	462	494	199
YEARLY TOTALS		4590.465											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	17	31	31	31	169	169	169	193	55	55	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	21	21	21	26	8	8	160	160
	Total	24	35	35	35	190	190	190	219	63	63	233	233
HH	Equipment	48	147	147	147	147	147	147	147	147	-	-	-
	Activity	0	2	2	2	2	2	2	2	2	-	-	-
	Hauling	5	464	464	464	464	464	464	464	464	-	-	-
	Total	53	612	612	612	612	612	612	612	612	-	-	-
LBSM	Equipment	73	73	92	92	232	232	232	232	232	232	232	232
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	49	49	50	50	129	129	129	129	129	129	129	129
	Total	122	122	142	142	361	361	361	361	361	361	361	361
All Areas	Equipment	138	251	270	270	547	547	547	571	434	287	305	305
TOTALS	Activity	0	2	2	2	2	2	2	2	2	0	1	1
	Hauling	60	516	517	517	614	614	614	619	601	137	289	289
	Total	199	769	789	789	1,163	1,163	1,163	1,192	1,037	425	595	595
YEARLY TOTALS		9879.096											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	73	73	73	73	73	73	73	-	-	-	-	-
	Activity	1	1	1	1	1	1	1	-	-	-	-	-
	Hauling	160	160	160	160	160	160	160	-	-	-	-	-
	Total	233	233	233	233	233	233	233	-	-	-	-	-
HH	Equipment	53	53	39	39	39	39	39	39	39	39	39	39
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	13	13	13	13	13	13	13	13	13	13
	Total	67	67	52	52	52	52	52	52	52	52	52	52
LBSM	Equipment	-	-	98	316	316	316	316	316	429	429	429	429
	Activity	-	-	0	1	1	1	1	1	1	1	1	1
	Hauling	-	-	5	196	196	196	196	196	201	201	201	201
	Total	-	-	103	512	512	512	512	512	631	631	631	631
All Areas	Equipment	126	126	210	427	427	427	427	354	467	467	467	467
TOTALS	Activity	1	1	1	1	1	1	1	1	1	1	1	1
	Hauling	174	174	179	369	369	369	369	209	215	215	215	215
	Total	300	300	389	798	798	798	798	564	683	683	683	683
YEARLY TOTALS		7475.667											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	-	-	-	-	38	38	38	38	38	38	38	38
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	13	13	13	13	13	13	13	13
	Total	-	-	-	-	51	51	51	51	51	51	51	51
HH	Equipment	39	39	39	39	39	39	39	66	66	66	66	66
	Activity	0	0	0	0	0	0	0	1	1	1	1	1
	Hauling	13	13	13	13	13	13	13	262	262	262	262	262
	Total	52	52	52	52	52	52	52	328	328	328	328	328
LBSM	Equipment	429	429	183	183	183	183	183	183	183	183	183	183
	Activity	1	1	0	0	0	0	0	0	0	0	0	0
	Hauling	201	201	9	9	9	9	9	9	9	9	9	9
	Total	631	631	193	193	193	193	193	193	193	193	193	193
All Areas	Equipment	467	467	222	222	260	260	260	287	287	287	287	287
TOTALS	Activity	1	1	0	0	0	0	0	1	1	1	1	1
	Hauling	215	215	23	23	36	36	36	284	284	284	284	284
	Total	683	683	245	245	296	296	296	572	572	572	572	572
YEARLY TOTALS		5601.073											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	38	38	38	38	38	38	38	80	80	80	80	80
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	108	108	108	108	108
	Total	51	51	51	51	51	51	51	189	189	189	189	189
HH	Equipment	66	66	66	136	136	136	79	79	79	79	79	58
	Activity	1	1	1	0	0	0	0	0	0	0	0	0
	Hauling	262	262	262	16	16	16	11	11	11	11	11	3
	Total	328	328	328	151	151	151	90	90	90	90	90	61
LBSM	Equipment	183	183	113	151	151	151	151	151	151	151	151	151
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	6	19	19	19	19	19	19	19	19	19
	Total	193	193	119	170	170	170	170	170	170	170	170	170
All Areas	Equipment	287	287	216	325	325	325	268	311	311	311	311	289
TOTALS	Activity	1	1	1	0	0	0	0	0	0	0	0	0
	Hauling	284	284	281	47	47	47	43	138	138	138	138	130
	Total	572	572	498	372	372	372	311	449	449	449	449	420
YEARLY TOTALS		5287.260											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	110	131	131	101	101	101	101	41	41	-	-	-
	Activity	0	0	0	0	0	0	0	0	0	-	-	-
	Hauling	113	15	15	10	10	10	10	2	2	-	-	-
	Total	223	146	146	111	111	111	111	43	43	-	-	-
HH	Equipment	58	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	3	-	-	-	-	-	-	-	-	-	-	-
	Total	61	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	151	151	151	151	151	133	133	133	153	153	153	153
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	13	13	13	65	65	65	65
	Total	170	170	170	170	170	147	147	147	218	218	218	218
All Areas	Equipment	319	282	282	252	252	234	234	174	194	153	153	153
TOTALS	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	135	34	34	29	29	24	24	16	68	65	65	65
	Total	454	316	316	282	282	258	258	190	261	218	218	218
YEARLY TOTALS		3271.215											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	153	240	93	93	73	73	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	65	22	11	11	4	4	-	-	-	-	-	-
	Total	218	263	104	104	76	76	-	-	-	-	-	-
All Areas TOTALS	Equipment	153	240	93	93	73	73	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	65	22	11	11	4	4	-	-	-	-	-	-
	Total	218	263	104	104	76	76	-	-	-	-	-	-
YEARLY TOTALS		841.840											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0004	0.0004	0.0004	0.0008	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0006	0.0009	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0003	0.0004	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.008											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
HH	Equipment	0.0003	0.0003	0.0003	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0018	0.0023	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0000
	Total	0.0003	0.0003	0.0003	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0026	0.0031	0.0005
LBSM	Equipment	0.0013	0.0015	0.0015	0.0009	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004
	Total	0.0015	0.0018	0.0018	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0012	0.0010	0.0010
All Areas	Equipment	0.0016	0.0018	0.0018	0.0030	0.0027	0.0027	0.0027	0.0029	0.0029	0.0028	0.0030	0.0012
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0003	0.0003	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0014	0.0005
	Total	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.002
YEARLY TOTALS		0.041											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0002	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0015	0.0015
	Total	0.0002	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0021	0.0021
HH	Equipment	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0000	0.0000	0.0000
	Total	0.0005	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0000	0.0000	0.0000
LBSM	Equipment	0.0006	0.0006	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0005	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.0010	0.0010	0.0012	0.0012	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
All Areas	Equipment	0.0012	0.0021	0.0022	0.0022	0.0038	0.0038	0.0038	0.0040	0.0027	0.0015	0.0016	0.0016
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0047	0.0047	0.0047	0.0056	0.0056	0.0056	0.0056	0.0055	0.0013	0.0026	0.0026
	Total	0.002	0.007	0.007	0.007	0.009	0.009	0.009	0.010	0.008	0.003	0.004	0.004
YEARLY TOTALS		0.080											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
LBSM	Equipment	0.0000	0.0000	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Total	0.0000	0.0000	0.0004	0.0030	0.0030	0.0030	0.0030	0.0030	0.0041	0.0041	0.0041	0.0041
All Areas	Equipment	0.0010	0.0010	0.0012	0.0021	0.0021	0.0021	0.0021	0.0015	0.0025	0.0025	0.0025	0.0025
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0016	0.0016	0.0016	0.0034	0.0034	0.0034	0.0034	0.0019	0.0020	0.0020	0.0020	0.0020
	Total	0.003	0.003	0.003	0.005	0.005	0.005	0.005	0.003	0.005	0.005	0.005	0.005
YEARLY TOTALS		0.051											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
HH	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0024	0.0024	0.0024	0.0024	0.0024
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0029	0.0029	0.0029	0.0029	0.0029
LBSM	Equipment	0.0023	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0041	0.0041	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
All Areas	Equipment	0.0025	0.0025	0.0015	0.0015	0.0017	0.0017	0.0017	0.0020	0.0020	0.0020	0.0020	0.0020
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0002	0.0002	0.0003	0.0003	0.0003	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.005	0.005	0.002	0.002	0.002	0.002	0.002	0.005	0.005	0.005	0.005	0.005
YEARLY TOTALS		0.042											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0017	0.0017	0.0017	0.0017	0.0017
HH	Equipment	0.0006	0.0006	0.0006	0.0013	0.0013	0.0013	0.0007	0.0007	0.0007	0.0007	0.0007	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0024	0.0024	0.0024	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0029	0.0029	0.0029	0.0014	0.0014	0.0014	0.0009	0.0009	0.0009	0.0009	0.0009	0.0006
LBSM	Equipment	0.0012	0.0012	0.0010	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0013	0.0011	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
All Areas	Equipment	0.0020	0.0020	0.0019	0.0028	0.0028	0.0028	0.0023	0.0028	0.0028	0.0028	0.0028	0.0026
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0026	0.0004	0.0004	0.0004	0.0004	0.0013	0.0013	0.0013	0.0013	0.0012
	Total	0.005	0.005	0.004	0.003	0.003	0.003	0.003	0.004	0.004	0.004	0.004	0.004
YEARLY TOTALS		0.046											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0010	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0014	0.0014	0.0011	0.0011	0.0011	0.0011	0.0004	0.0004	0.0000	0.0000	0.0000
HH	Equipment	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0014	0.0014	0.0020	0.0020	0.0020	0.0020
All Areas	Equipment	0.0029	0.0025	0.0025	0.0023	0.0023	0.0022	0.0022	0.0016	0.0018	0.0014	0.0014	0.0014
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0001	0.0006	0.0006	0.0006	0.0006
	Total	0.004	0.003	0.003	0.003	0.003	0.002	0.002	0.002	0.002	0.002	0.002	0.002
YEARLY TOTALS		0.030											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0014	0.0023	0.0009	0.0009	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0025	0.0010	0.0010	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0014	0.0023	0.0009	0.0009	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.002	0.002	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.008											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 3	Alignment Section	1/14/2041	12/31/2041	2041	252	40	40	9	936	34	360499	4	21	8	0.003	0.260	0.009	100	0.001	0.006	0.002
Section 3	Alignment Section	1/1/2042	12/31/2042	2042	261	150	40	34	3474	123	1346506	13	78	29	0.010	0.999	0.036	387	0.004	0.022	0.008
Section 3	Alignment Section	1/1/2043	12/31/2043	2043	261	185	40	40	4250	148	1655205	16	96	36	0.012	1.223	0.043	476	0.005	0.028	0.010
Section 3	Alignment Section	1/1/2044	12/31/2044	2044	261	220	40	47	5024	173	1962995	19	114	43	0.013	1.445	0.050	565	0.006	0.033	0.012
Section 3	Alignment Section	1/1/2045	12/31/2045	2045	260	220	40	46	5002	169	1958460	19	114	43	0.013	1.434	0.049	561	0.006	0.033	0.012
Section 3	Alignment Section	1/1/2046	12/31/2046	2046	261	215	40	45	4872	163	1910365	19	111	42	0.013	1.402	0.047	550	0.005	0.032	0.012
Section 3	Alignment Section	1/1/2047	12/31/2047	2047	261	145	40	30	3276	108	1286362	13	75	28	0.009	0.942	0.031	370	0.004	0.022	0.008
Section 3	Alignment Section	1/1/2048	12/31/2048	2048	262	80	40	16	1803	59	708791	7	41	15	0.005	0.521	0.017	205	0.002	0.012	0.004
Section 3	Alignment Section	1/1/2049	8/23/2049	2049	167	30	40	6	675	22	265504	3	15	6	0.001	0.124	0.004	49	0.000	0.003	0.001

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	100	0.0	0.0	0.0
2042	0.0	1.0	0.0	387	0.0	0.0	0.0
2043	0.0	1.2	0.0	476	0.0	0.0	0.0
2044	0.0	1.4	0.0	565	0.0	0.0	0.0
2045	0.0	1.4	0.0	561	0.0	0.0	0.0
2046	0.0	1.4	0.0	550	0.0	0.0	0.0
2047	0.0	0.9	0.0	370	0.0	0.0	0.0
2048	0.0	0.5	0.0	205	0.0	0.0	0.0
2049	0.0	0.1	0.0	49	0.0	0.0	0.0
2050	0.0	0.0	0.0	0	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0
2052	0.0	0.0	0.0	0	0.0	0.0	0.0
2053	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/15/2042	1/16/2043	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	4/21/2043	8/19/2043	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	4/21/2043	8/19/2043	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/20/2043	10/12/2043	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	7/20/2043	10/12/2043	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.0093	0.0009	0.0000	0.0000	0.0002	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.0276	0.0440	0.0010	0.0008	0.0012	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0179	0.0201	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.0191	0.0245	0.0010	0.0009	0.0009	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0186	0.0035	0.0002	0.0002	0.0025	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/12/2043	7/11/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.0104	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/12/2043	7/11/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1279*	*0.1008*	*0.0029*	*0.0027*	*0.0062*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/11/2045	7/2/2046	16	320	0.0095	0.0009	0.0000	0.0000	0.0002	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	4/11/2045	7/2/2046	16	320	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	4/11/2045	7/2/2046	16	320	0.0156	0.0016	0.0001	0.0001	0.0003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/11/2045	7/2/2046	16	320	0.0107	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/11/2045	7/2/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0509*	*0.0043*	*0.0002*	*0.0002*	*0.0008*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/3/2046	7/22/2047	13	275	0.0160	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/3/2046	7/22/2047	13	275	0.0422	0.0088	0.0006	0.0005	0.0067	19.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/3/2046	7/22/2047	13	275	0.0422	0.0088	0.0006	0.0005	0.0067	19.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	7/3/2046	7/22/2047	13	275	0.0451	0.0032	0.0001	0.0001	0.0006	13.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	7/22/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1454*	*0.0219*	*0.0013*	*0.0012*	*0.0143*	*60*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	7/3/2046	1/9/2047	7	137	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	7/3/2046	1/9/2047	7	137	0.0251	0.0021	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	7/3/2046	1/9/2047	7	137	0.0071	0.0052	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2046	1/9/2047	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/26/2046	3/20/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/26/2046	3/20/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	12/26/2046	3/20/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	12/26/2046	3/20/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	12/26/2046	3/20/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/26/2046	3/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/26/2046	3/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/26/2046	3/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/26/2046	3/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/26/2046	3/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/9/2047	9/16/2047	9	179	0.0188	0.0019	0.0001	0.0001	0.0004	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	1/9/2047	9/16/2047	9	179	0.0169	0.0017	0.0001	0.0001	0.0003	9.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	1/9/2047	9/16/2047	9	179	0.0204	0.0046	0.0003	0.0003	0.0027	9.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	1/9/2047	9/16/2047	9	179	0.0198	0.0041	0.0003	0.0002	0.0032	9.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	9/16/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0760*	*0.0123*	*0.0007*	*0.0006*	*0.0066*	*41*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Jan-43	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-42	Jan-43	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-42	Jan-43	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-42	Jan-43	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0181	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0209*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Oct-43	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-43	Oct-43	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-43	Oct-43	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0113*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Aug-43	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-43	Aug-43	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Apr-43	Aug-43	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0204	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0285	0.0000
				0.00	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0591*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-43	Oct-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0167*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-43	Jul-44	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-43	Jul-44	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt		Oct-43	Jul-44	10	196			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	100	20	8.33	Oct-43	Jul-44	10	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0726	0.0000
Trucks Traveling on site	Number of Vehicles	100	Paved	10.00	Oct-43	Jul-44	10	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4587	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0462*	*0.0263*	*0.0001*	*0.5312*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-45	Jul-46	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-45	Jul-46	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-45	Jul-46	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Apr-45	Jul-46	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-46	Jul-47	13	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-46	Jul-47	13	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-46	Jul-47	13	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0268	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0275*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-46	Jan-47	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-46	Jan-47	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	768	Dirt		Jul-46	Jan-47	7	137			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	64	12	5.33	Jul-46	Jan-47	7	137	0.0004	0.0002	0.0000	0.0000	0.0000	0.0468	0.0000
Trucks Traveling on site	Number of Vehicles	64	Paved	6.40	Jul-46	Jan-47	7	137	0.0003	0.0011	0.0001	0.0000	0.0000	0.2864	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0014*	*0.0228*	*0.0131*	*0.0001*	*0.3332*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-46	Mar-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-46	Mar-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-46	Mar-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-46	Mar-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Sep-47	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Jan-47	Sep-47	9	179			0.0111	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Sep-47	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0111*	*0.0066*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Distance (miles/trip)	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
Trucks Traveling on site	Number of Vehicles	4	66	Jul-42	Jan-43	7	134	0.0025	0.0089	0.0021	0.0003	0.0003	6.3121	0.0001
				Jul-42	Jan-43	7	134							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Totals								*0.0025*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3121*	*0.0001*
Utility Relocation & Site Preparation														
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-43	Oct-43	10	197	0.0004	0.0010	0.0009	0.0001	0.0001	3.2888	0.0000
				Jan-43	Oct-43	10	197							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Totals								*0.0004*	*0.0010*	*0.0009*	*0.0001*	*0.0001*	*3.2888*	*0.0000*
Shoring														
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
Trucks Traveling on site	Number of Vehicles	5	66	Apr-43	Aug-43	5	87	0.0028	0.0100	0.0024	0.0004	0.0003	7.1081	0.0001
				Apr-43	Aug-43	5	87							
Deliveries Traveling on site	Number of Vehicles	1	66	Apr-43	Aug-43	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7262	0.0000
				Apr-43	Aug-43	5	87							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Apr-43	Aug-43	5	87	0.0039	0.0140	0.0033	0.0005	0.0004	9.9514	0.0001
				Apr-43	Aug-43	5	87							
Totals								*0.0068*	*0.0242*	*0.0059*	*0.0009*	*0.0007*	*17.7857*	*0.0002*
Decking 12 weekends							*Prorated*							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jul-43	Oct-43	4	36	0.0007	0.0015	0.0013	0.0001	0.0001	4.8831	0.0000
				Jul-43	Oct-43	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Totals								*0.0007*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.8831*	*0.0000*
Excavation														
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
Trucks Traveling on site	Number of Vehicles	100	66	Oct-43	Jul-44	10	196	0.0626	0.2253	0.0534	0.0079	0.0067	160.1368	0.0015
				Oct-43	Jul-44	10	196							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Totals								*0.0626*	*0.2253*	*0.0534*	*0.0079*	*0.0067*	*160.1368*	*0.0015*

FSM hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Distance (miles/trip)	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-45	Jul-46	16	320							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-45	Jul-46	16	320							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Apr-45	Jul-46	16	320	0.0048	0.0181	0.0044	0.0006	0.0005	12.8895	0.0001
				Apr-45	Jul-46	16	320							
Totals								*0.0048*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8895*	*0.0001*
MEP and Architectural finish work														
				Jul-46	Jul-47	13	275							
				Jul-46	Jul-47	13	275							
				Jul-46	Jul-47	13	275							
				Jul-46	Jul-47	13	275							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jul-47	13	275							
Deliveries Traveling on site	Number of Vehicles	10	66	Jul-46	Jul-47	13	275	0.0010	0.0024	0.0023	0.0002	0.0001	8.0400	0.0001
				Jul-46	Jul-47	13	275							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-46	Jul-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jul-47	13	275							
Totals								*0.0010*	*0.0024*	*0.0023*	*0.0002*	*0.0001*	*8.0400*	*0.0001*
Backfill														
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
Trucks Traveling on site	Number of Vehicles	64	66	Jul-46	Jan-47	7	137	0.0366	0.1413	0.0341	0.0051	0.0038	100.3642	0.0009
				Jul-46	Jan-47	7	137							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jan-47	7	137							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jan-47	7	137							
Totals								*0.0366*	*0.1413*	*0.0341*	*0.0051*	*0.0038*	*100.3642*	*0.0009*
Decking Removal - 12 weekends							*Prorated*							
				Dec-46	Mar-47	4	36							
				Dec-46	Mar-47	4	36							
				Dec-46	Mar-47	4	36							
				Dec-46	Mar-47	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-46	Mar-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Mar-47	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Dec-46	Mar-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Dec-46	Mar-47	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-46	Mar-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Mar-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Sep-47	9	179							
Deliveries Traveling on site	Number of Vehicles	3	66	Jan-47	Sep-47	9	179	0.0003	0.0006	0.0007	0.0001	0.0000	2.2116	0.0000
				Jan-47	Sep-47	9	179							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Sep-47	9	179							
Totals								*0.0003*	*0.0006*	*0.0007*	*0.0001*	*0.0000*	*2.2116*	*0.0000*

FSM hauling

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.012	0.009	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	6/12/2041	5	87	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.062	0.005	0.000	0.000	0.003	9.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.129*	*0.018*	*0.000*	*0.000*	*0.004*	*32*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.017	0.014	0.000	0.000	0.001	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.010	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.017	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	3/4/2042	11/29/2042	9	194	0.061	0.006	0.000	0.000	0.001	43.0	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.142	0.014	0.001	0.001	0.003	97.9	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	2.3	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	6.8	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.030	0.002	0.000	0.000	0.000	12.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.043	0.011	0.001	0.001	0.006	21.9	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.029	0.003	0.000	0.000	0.001	4.8	0.000
Construction Equipment Total				*18*										*0.306*	*0.036*	*0.002*	*0.002*	*0.011*	*192*	*0.002*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.9	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.025	0.003	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.041*	*0.014*	*0.000*	*0.000*	*0.002*	*14*	*0.000*
Decking - 12 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	10/30/2042	1/22/2043	4	61	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	10/30/2042	1/22/2043	4	61	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.019	0.002	0.000	0.000	0.000	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.056	0.089	0.002	0.002	0.002	29.8	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.004	0.000	0.000	0.001	25.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.041	0.001	0.001	0.001	12.8	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.039	0.049	0.002	0.002	0.002	15.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.038	0.007	0.000	0.000	0.005	17.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	18.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.014	0.011	0.000	0.000	0.000	7.5	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.021	0.001	0.000	0.000	0.000	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.258*	*0.203*	*0.006*	*0.005*	*0.012*	*147*	*0.001*
Disassembly of TBM and Relocate														Row 84 Modified to Reflect Two Weekends Only (6/40)						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/4/2045	11/19/2046	17	360	0.016	0.001	0.000	0.000	0.000	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.006*	*0.000*	*0.000*	*0.004*	*21*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	7.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.037	0.004	0.000	0.000	0.001	19.6	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.055	0.005	0.001	0.001	0.002	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.107*	*0.020*	*0.001*	*0.001*	*0.004*	*44*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.034	0.003	0.000	0.000	0.001	19.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	3/17/2046	6/9/2046	4	60	0.081	0.007	0.000	0.000	0.005	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.154*	*0.017*	*0.001*	*0.001*	*0.006*	*57*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.027	0.003	0.000	0.000	0.001	18.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.024	0.002	0.000	0.000	0.000	12.8	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.029	0.007	0.000	0.000	0.004	13.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.028	0.006	0.000	0.000	0.004	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.107*	*0.017*	*0.001*	*0.001*	*0.009*	*58*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Jun-41	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Feb-41	Jun-41	5	87			0.0182	0.0138			
Truck Loading Dust	Tons of material being loaded per day	132	Aggregate		Feb-41	Jun-41	5	87			0.0014	0.0002			
Truck Loading on site - idling	Number of Vehicles	11	12	0.92	Feb-41	Jun-41	5	87	0.0001	0.0000	0.0000	0.0000	0.0000	0.0071	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Feb-41	Jun-41	5	87	0.0000	0.0002	0.0000	0.0000	0.0000	0.0458	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0196*	*0.0140*	*0.0000*	*0.0529*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Sep-42	17	335			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Sep-42	17	335			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Sep-42	17	335			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-42	Nov-42	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Mar-42	Nov-42	9	194			0.0031	0.0005			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Mar-42	Nov-42	9	194	0.0001	0.0001	0.0000	0.0000	0.0000	0.0159	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Mar-42	Nov-42	9	194	0.0001	0.0004	0.0001	0.0000	0.0000	0.1019	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Mar-42	Nov-42	9	194	0.0002	0.0001	0.0000	0.0000	0.0000	0.0223	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Mar-42	Nov-42	9	194	0.0001	0.0005	0.0000	0.0000	0.0000	0.1427	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0011*	*0.0274*	*0.0147*	*0.0001*	*0.2957*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jan-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Sep-43	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	32	Dirt		Jan-43	Sep-43	9	178			0.0887	0.0523			
Truck Loading Dust	Tons of material being loaded per day	5,740	Dirt		Jan-43	Sep-43	9	178			0.0062	0.0009			
Truck Loading on site - idling	Number of Vehicles	287	20	23.92	Jan-43	Sep-43	9	178	0.0016	0.0011	0.0000	0.0000	0.0001	0.2101	0.0000
Trucks Traveling on site	Number of Vehicles	287	Paved	28.70	Jan-43	Sep-43	9	178	0.0014	0.0051	0.0002	0.0000	0.0002	1.3284	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0030*	*0.0062*	*0.0951*	*0.0533*	*0.0003*	*1.5385*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Feb-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0019*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Jul-45	20	410			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-43	Jul-45	20	410	0.0000	0.0001	0.0000	0.0000	0.0000	0.0384	0.0000
				0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0445*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Nov-46	17	360			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0276	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0283*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Mar-46	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-45	Mar-46	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	1,752	Dirt		Jul-45	Mar-46	9	194			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	146	12	12.17	Jul-45	Mar-46	9	194	0.0009	0.0006	0.0000	0.0000	0.0001	0.1172	0.0000
Trucks Traveling on site	Number of Vehicles	146	Paved	14.60	Jul-45	Mar-46	9	194	0.0007	0.0028	0.0001	0.0000	0.0001	0.7243	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0034*	*0.0264*	*0.0146*	*0.0002*	*0.8415*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jun-46	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jan-47	11	206			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	6	Dirt		Mar-46	Jan-47	11	206			0.0157	0.0093			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jan-47	11	206			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0157*	*0.0093*	*0.0000*	*0.0097*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
Trucks Traveling on site	Number of Vehicles	11	66	Feb-41	Jun-41	5	87	0.0065	0.0224	0.0052	0.0008	0.0007	15.9452	0.0001
				Feb-41	Jun-41	5	87							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Totals								*0.0065*	*0.0224*	*0.0052*	*0.0008*	*0.0007*	*15.9452*	*0.0001*
Utility Relocation & Site Preparation														
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
Trucks Traveling on site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Deliveries Traveling on site	Number of Vehicles	4	66	May-41	Sep-42	17	335	0.0005	0.0012	0.0009	0.0001	0.0001	3.5543	0.0000
				May-41	Sep-42	17	335							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5543*	*0.0000*
Shoring														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling on site	Number of Vehicles	20	66	Mar-42	Nov-42	9	194	0.0142	0.0500	0.0117	0.0018	0.0015	35.5383	0.0003
				Mar-42	Nov-42	9	194							
Deliveries Traveling on site	Number of Vehicles	4	66	Mar-42	Nov-42	9	194	0.0005	0.0012	0.0010	0.0001	0.0001	3.7350	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling on site	Number of Vehicles	28	66	Mar-42	Nov-42	9	194	0.0199	0.0700	0.0164	0.0025	0.0021	49.7536	0.0005
				Mar-42	Nov-42	9	194							
Totals								*0.0346*	*0.1212*	*0.0291*	*0.0043*	*0.0037*	*89.0270*	*0.0008*
Shoring Cont.														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends							*Prorated*							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Oct-42	Jan-43	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Oct-42	Jan-43	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
Trucks Traveling on site	Number of Vehicles	287	66	Jan-43	Sep-43	9	178	0.1812	0.6525	0.1545	0.0230	0.0193	463.7612	0.0042
				Jan-43	Sep-43	9	178							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Totals								*0.1812*	*0.6525*	*0.1545*	*0.0230*	*0.0193*	*463.7612*	*0.0042*
Disassembly of TBM and Relocate														
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Deliveries Traveling on site	Number of Vehicles	1	66	Dec-43	Feb-44	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5565	0.0000
				Dec-43	Feb-44	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5565*	*0.0000*
Cast-in-place box structure														
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Dec-43	Jul-45	20	410	0.0052	0.0189	0.0045	0.0007	0.0006	13.3992	0.0001
				Dec-43	Jul-45	20	410							
Totals								*0.0052*	*0.0189*	*0.0045*	*0.0007*	*0.0006*	*13.3992*	*0.0001*
MEP and Architectural finish work														
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Deliveries Traveling on site	Number of Vehicles	10	66	Jul-45	Nov-46	17	360	0.0011	0.0025	0.0023	0.0002	0.0002	8.2779	0.0001
				Jul-45	Nov-46	17	360							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Totals								*0.0011*	*0.0025*	*0.0023*	*0.0002*	*0.0002*	*8.2779*	*0.0001*
Backfill														
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
Trucks Traveling on site	Number of Vehicles	146	66	Jul-45	Mar-46	9	194	0.0945	0.3567	0.0856	0.0127	0.0100	253.5301	0.0023
				Jul-45	Mar-46	9	194							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Totals								*0.0945*	*0.3567*	*0.0856*	*0.0127*	*0.0100*	*253.5301*	*0.0023*

HH hauling

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*Prorated*							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Mar-46	Jun-46	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Mar-46	Jun-46	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Deliveries Traveling on site	Number of Vehicles	4	66	Mar-46	Jan-47	11	206	0.0004	0.0008	0.0008	0.0001	0.0001	2.8471	0.0000
				Mar-46	Jan-47	11	206							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Totals								*0.0004*	*0.0008*	*0.0008*	*0.0001*	*0.0001*	*2.8471*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	4/9/2041	9/6/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/3/2041	3/3/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.0001
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.0001
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.0000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/1/2042	3/22/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.0001
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/1/2042	3/22/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	4/14/2043	12/7/2043	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland-Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.078	0.114	0.003	0.002	0.003	32.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	4/14/2043	12/7/2043	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.136*	*0.131*	*0.003*	*0.003*	*0.005*	*114*	*0.001*
TBM Reassembly														*Row 120 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/29/2044	2/27/2045	12	240	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	3/29/2044	2/27/2045	12	240	0.053	0.004	0.000	0.000	0.001	16.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/29/2044	2/27/2045	12	240	0.039	0.004	0.000	0.000	0.001	21.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	3.5	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	56.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.111*	*0.010*	*0.000*	*0.000*	*0.002*	*125*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	1.2	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	58.3	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	3/29/2044	2/27/2045	12	240	0.083	0.120	0.003	0.003	0.003	34.1	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	3/29/2044	2/27/2045	12	240	0.020	0.014	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/29/2044	2/27/2045	12	240	0.041	0.004	0.000	0.000	0.001	23.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	2/27/2045	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.144*	*0.139*	*0.003*	*0.003*	*0.006*	*121*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	2/2/2044	2/12/2046	25	530	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	2/2/2044	2/12/2046	25	530	0.007	0.001	0.000	0.000	0.000	3.6	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	2/2/2044	2/12/2046	25	530	0.021	0.027	0.001	0.001	0.001	9.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	2/2/2044	2/12/2046	25	530	0.003	0.004	0.000	0.000	0.000	1.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	2/2/2044	2/12/2046	25	530	0.011	0.008	0.000	0.000	0.001	1.5	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.047*	*0.040*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	14.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	2/12/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	8/30/2044	2/24/2048	43	910	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	8/30/2044	2/24/2048	43	910	0.023	0.002	0.000	0.000	0.000	6.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	8/30/2044	2/24/2048	43	910	0.176	0.018	0.001	0.001	0.003	100.9	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	2/24/2048	43	910	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.202*	*0.020*	*0.001*	*0.001*	*0.004*	*113*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/22/2046	5/20/2047	15	303	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/22/2046	5/20/2047	15	303	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/22/2046	5/20/2047	15	303	0.016	0.002	0.000	0.000	0.000	9.0	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/22/2046	5/20/2047	15	303	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2046	5/20/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	5/21/2047	4/20/2048	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	5/21/2047	4/20/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	5/21/2047	4/20/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/21/2047	4/20/2048	12	240	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/21/2047	4/20/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	8/13/2047	1/20/2048	6	115	0.016	0.002	0.000	0.000	0.000	8.7	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	8/13/2047	1/20/2048	6	115	0.025	0.002	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	8/13/2047	1/20/2048	6	115	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/13/2047	1/20/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/6/2048	2/24/2048	2	36	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/6/2048	2/24/2048	2	36	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	1/6/2048	2/24/2048	2	36	0.012	0.009	0.000	0.000	0.001	2.0	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	1/6/2048	2/24/2048	2	36	0.020	0.002	0.000	0.000	0.000	11.5	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	1/6/2048	2/24/2048	2	36	0.047	0.004	0.000	0.000	0.003	7.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	2/24/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	2/24/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	2/24/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/6/2048	2/24/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	2/24/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.099*	*0.017*	*0.000*	*0.000*	*0.004*	*35*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	1/20/2048	6/15/2048	6	106	0.033	0.003	0.000	0.000	0.001	23.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	1/20/2048	6/15/2048	6	106	0.030	0.003	0.000	0.000	0.001	16.0	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	1/20/2048	6/15/2048	6	106	0.036	0.008	0.000	0.000	0.005	17.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	1/20/2048	6/15/2048	6	106	0.035	0.007	0.000	0.000	0.006	15.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2048	6/15/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.135*	*0.022*	*0.001*	*0.001*	*0.012*	*73*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Sep-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-41	Sep-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Apr-41	Sep-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Apr-41	Sep-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-41	Sep-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-41	Apr-42	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-41	Apr-42	9	178			0.0222	0.0131			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-41	Apr-42	9	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0222*	*0.0131*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Mar-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Mar-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-41	Mar-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Mar-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Apr-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Mar-42	Apr-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Mar-42	Apr-43	14	276			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	30	20	2.50	Mar-42	Apr-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0219	0.0000
Trucks Traveling on site	Number of Vehicles	30	Paved	3.00	Mar-42	Apr-43	14	276	0.0001	0.0005	0.0000	0.0000	0.0000	0.1398	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0449*	*0.0262*	*0.0000*	*0.1617*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Apr-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Apr-43	Dec-43	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt		Apr-43	Dec-43	9	170			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	75	20	6.25	Apr-43	Dec-43	9	170	0.0004	0.0003	0.0000	0.0000	0.0000	0.0524	0.0000
Trucks Traveling on site	Number of Vehicles	75	Paved	7.50	Apr-43	Dec-43	9	170	0.0003	0.0013	0.0001	0.0000	0.0000	0.3315	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0447	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0016*	*0.0148*	*0.0081*	*0.0001*	*0.4298*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Mar-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0055*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Feb-45	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-44	Feb-45	12	240			0.0140	0.0083			
Truck Loading Dust	Tons of material being loaded per day	2,200	Dirt		Mar-44	Feb-45	12	240			0.0024	0.0004			
Truck Loading on site - idling	Number of Vehicles	110	20	9.17	Mar-44	Feb-45	12	240	0.0006	0.0004	0.0000	0.0000	0.0001	0.0817	0.0000
Trucks Traveling on site	Number of Vehicles	110	Paved	11.00	Mar-44	Feb-45	12	240	0.0005	0.0020	0.0001	0.0000	0.0001	0.5103	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0457	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0012*	*0.0024*	*0.0165*	*0.0086*	*0.0001*	*0.6388*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Feb-45	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Feb-45	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Feb-45	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Feb-46	25	530			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Feb-44	Feb-46	25	530			0.0267	0.0158			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Feb-44	Feb-46	25	530			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0268*	*0.0158*	*0.0000*	*0.0114*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Feb-46	25	530			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Feb-46	25	530			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Feb-46	25	530			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Feb-48	43	910			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-44	Feb-48	43	910			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-44	Feb-48	43	910			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0199	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0204*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	May-47	15	303			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	May-47	15	303			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	May-47	15	303			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Mar-46	May-47	15	303	0.0000	0.0001	0.0000	0.0000	0.0000	0.0369	0.0000
				0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0430*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-47	Apr-48	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-47	Apr-48	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-47	Apr-48	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-47	Jan-48	6	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-47	Jan-48	6	115			0.0215	0.0127			
Truck Loading Dust	Tons of material being loaded per day	408	Dirt		Aug-47	Jan-48	6	115			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	34	12	2.83	Aug-47	Jan-48	6	115	0.0002	0.0001	0.0000	0.0000	0.0000	0.0245	0.0000
Trucks Traveling on site	Number of Vehicles	34	Paved	3.40	Aug-47	Jan-48	6	115	0.0001	0.0006	0.0000	0.0000	0.0000	0.1482	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0007*	*0.0219*	*0.0127*	*0.0000*	*0.1726*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-48	Feb-48	2	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-48	Feb-48	2	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-48	Feb-48	2	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0164	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-48	Feb-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0169*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-48	Jun-48	6	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-48	Jun-48	6	106			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-48	Jun-48	6	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
Trucks Traveling on site	Number of Vehicles	13	66	Apr-41	Sep-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Apr-41	Sep-41	6	109							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Deliveries Traveling on site	Number of Vehicles	4	66	Aug-41	Apr-42	9	178	0.0005	0.0012	0.0009	0.0001	0.0001	3.5673	0.0000
				Aug-41	Apr-42	9	178							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5673*	*0.0000*
Shoring														
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
Trucks Traveling on site	Number of Vehicles	5	66	Dec-41	Mar-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Dec-41	Mar-42	4	65							
Deliveries Traveling on site	Number of Vehicles	1	66	Dec-41	Mar-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Dec-41	Mar-42	4	65							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Dec-41	Mar-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Dec-41	Mar-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*Prorated*							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Feb-42	Mar-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Feb-42	Mar-42	2	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
Trucks Traveling on site	Number of Vehicles	30	66	Mar-42	Apr-43	14	276	0.0195	0.0686	0.0161	0.0024	0.0021	48.7540	0.0004
				Mar-42	Apr-43	14	276							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Totals								*0.0195*	*0.0686*	*0.0161*	*0.0024*	*0.0021*	*48.7540*	*0.0004*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling on site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Feb-43	Apr-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Feb-43	Apr-43	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling on site	Number of Vehicles	75	66	Apr-43	Dec-43	9	170	0.0452	0.1629	0.0386	0.0057	0.0048	115.7451	0.0011
				Apr-43	Dec-43	9	170							
Deliveries Traveling on site	Number of Vehicles	17	66	Apr-43	Dec-43	9	170	0.0018	0.0042	0.0036	0.0004	0.0003	13.4018	0.0001
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0470*	*0.1671*	*0.0421*	*0.0061*	*0.0051*	*129.1469*	*0.0012*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Feb-44	Mar-44	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.6131	0.0000
				Feb-44	Mar-44	2	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.6131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)														
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
Trucks Traveling on site	Number of Vehicles	110	66	Mar-44	Feb-45	12	240	0.0681	0.2509	0.0599	0.0089	0.0072	178.3770	0.0016
				Mar-44	Feb-45	12	240							
Deliveries Traveling on site	Number of Vehicles	17	66	Mar-44	Feb-45	12	240	0.0018	0.0042	0.0038	0.0004	0.0003	13.7110	0.0001
				Mar-44	Feb-45	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Feb-45	12	240							
Totals								*0.0699*	*0.2552*	*0.0636*	*0.0093*	*0.0075*	*192.0880*	*0.0017*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued														
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
				Mar-44	Feb-45	12	240							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Feb-45	12	240							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Feb-45	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-44	Feb-45	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Feb-45	12	240							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
Trucks Traveling on site	Number of Vehicles	1	66	Feb-44	Feb-46	25	530	0.0007	0.0024	0.0006	0.0001	0.0001	1.7189	0.0000
				Feb-44	Feb-46	25	530							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Feb-46	25	530							
Cement Trucks Traveling on site	Number of Vehicles	1	66	Feb-44	Feb-46	25	530	0.0007	0.0024	0.0006	0.0001	0.0001	1.7189	0.0000
				Feb-44	Feb-46	25	530							
Totals								*0.0013*	*0.0048*	*0.0012*	*0.0002*	*0.0001*	*3.4378*	*0.0000*
Crosspassage - Continued														
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
				Feb-44	Feb-46	25	530							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Feb-46	25	530							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Feb-46	25	530							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Feb-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Feb-46	25	530							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Aug-44	Feb-48	43	910							
				Aug-44	Feb-48	43	910							
				Aug-44	Feb-48	43	910							
				Aug-44	Feb-48	43	910							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Feb-48	43	910							
Deliveries Traveling on site	Number of Vehicles	7	66	Aug-44	Feb-48	43	910	0.0008	0.0018	0.0016	0.0002	0.0001	5.9740	0.0001
				Aug-44	Feb-48	43	910							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Feb-48	43	910	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Feb-48	43	910							
Totals								*0.0008*	*0.0018*	*0.0016*	*0.0002*	*0.0001*	*5.9740*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	May-47	15	303							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	May-47	15	303							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Mar-46	May-47	15	303	0.0047	0.0182	0.0044	0.0007	0.0005	12.9484	0.0001
				Mar-46	May-47	15	303							
Totals								*0.0047*	*0.0182*	*0.0044*	*0.0007*	*0.0005*	*12.9484*	*0.0001*
MEP and Architectural finish work														
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
Trucks Traveling on site	Number of Vehicles	0	66	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Apr-48	12	240							
Deliveries Traveling on site	Number of Vehicles	10	66	May-47	Apr-48	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				May-47	Apr-48	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Apr-48	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Aug-47	Jan-48	6	115							
				Aug-47	Jan-48	6	115							
				Aug-47	Jan-48	6	115							
				Aug-47	Jan-48	6	115							
Trucks Traveling on site	Number of Vehicles	34	66	Aug-47	Jan-48	6	115	0.0185	0.0732	0.0177	0.0026	0.0019	51.9827	0.0005
				Aug-47	Jan-48	6	115							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Jan-48	6	115							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-47	Jan-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Jan-48	6	115							
Totals								*0.0185*	*0.0732*	*0.0177*	*0.0026*	*0.0019*	*51.9827*	*0.0005*
Decking Removal - 7 weekends							*Prorated*							
				Jan-48	Feb-48	2	21							
				Jan-48	Feb-48	2	21							
				Jan-48	Feb-48	2	21							
				Jan-48	Feb-48	2	21							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Feb-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Feb-48	2	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Jan-48	Feb-48	2	21	0.0006	0.0014	0.0015	0.0002	0.0001	4.9488	0.0000
				Jan-48	Feb-48	2	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Feb-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Feb-48	2	21							
Totals								*0.0006*	*0.0014*	*0.0015*	*0.0002*	*0.0001*	*4.9488*	*0.0000*
Surface Restoration														
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Jun-48	6	106							
Deliveries Traveling on site	Number of Vehicles	6	66	Jan-48	Jun-48	6	106	0.0005	0.0011	0.0012	0.0001	0.0001	3.8430	0.0000
				Jan-48	Jun-48	6	106							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Jun-48	6	106							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.8430*	*0.0000*

K LINE NORTHERN EXTENSION - Section 3 with Hollywood Bowl Option - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.46	2.51	0.01	0.01	0.01	736
2042	0.51	3.86	10.78	0.04	0.10	0.09	5,003
2043	0.21	3.33	5.08	0.02	0.09	0.09	3,527
2044	0.44	3.52	7.82	0.03	0.08	0.07	4,740
2045	0.89	6.25	16.47	0.06	0.13	0.12	9,350
2046	0.69	3.25	13.90	0.06	0.08	0.08	7,625
2047	0.81	3.64	15.74	0.06	0.10	0.09	8,074
2048	0.54	2.31	10.16	0.04	0.07	0.06	5,408
2049	0.06	0.20	1.57	0.01	0.01	0.01	797
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.46	0.29	1
2042	0.00	0.03	0.01	0.00	1.74	1.01	7
2043	0.00	0.05	0.03	0.00	0.90	0.51	14
2044	0.00	0.03	0.01	0.00	0.52	0.30	7
2045	0.00	0.02	0.01	0.00	1.07	0.62	6
2046	0.00	0.02	0.01	0.00	0.35	0.20	5
2047	0.00	0.02	0.01	0.00	0.73	0.43	6
2048	0.00	0.01	0.00	0.00	0.40	0.23	2
2049	0.00	0.00	0.00	0.00	0.11	0.06	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.30	0.09	0.00	0.08	0.01	243
2042	0.08	2.69	0.77	0.02	0.66	0.10	2,031
2043	0.17	5.62	1.59	0.04	1.34	0.20	4,071
2044	0.08	2.70	0.75	0.02	0.69	0.10	2,125
2045	0.07	2.22	0.62	0.02	0.60	0.08	1,830
2046	0.05	1.88	0.51	0.01	0.52	0.07	1,578
2047	0.06	2.13	0.56	0.02	0.61	0.08	1,863
2048	0.02	0.63	0.17	0.01	0.22	0.03	677
2049	0.00	0.15	0.04	0.00	0.05	0.01	145
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Worker Commute Trips (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.05	1.53	0.01	0.03	0.01	594
2043	0.01	0.03	0.99	0.00	0.02	0.01	386
2044	0.01	0.04	1.22	0.00	0.03	0.01	475
2045	0.02	0.08	2.44	0.01	0.06	0.02	957
2046	0.02	0.07	1.96	0.01	0.04	0.02	767
2047	0.02	0.08	2.53	0.01	0.06	0.02	995
2048	0.01	0.05	1.56	0.01	0.04	0.01	614
2049	0.00	0.01	0.45	0.00	0.01	0.00	178
2050	0.00	0.01	0.16	0.00	0.00	0.00	63
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.78	2.93	0.01	0.55	0.32	1,106
2042	0.61	6.63	13.10	0.07	2.53	1.21	7,635
2043	0.39	9.04	7.69	0.06	2.36	0.80	7,997
2044	0.54	6.29	9.80	0.05	1.32	0.48	7,347
2045	0.98	8.57	19.54	0.09	1.85	0.85	12,142
2046	0.76	5.21	16.37	0.08	1.00	0.37	9,975
2047	0.90	5.87	18.85	0.09	1.50	0.62	10,939
2048	0.57	3.00	11.90	0.06	0.72	0.34	6,701
2049	0.06	0.37	2.06	0.01	0.18	0.08	1,121
2050	0.00	0.01	0.16	0.00	0.00	0.00	63
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	4.96	45.75	102.40	0.51	12.01	5.08	65,026
BTUs							
CO2e (tons)							65,610
CO2 (metric tons)							58,991
CO2e (metric tons)							59,521

K LINE NORTHERN EXTENSION - Section 3 with Hollywood Bowl Option - SVFF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	4	19	0	0	0
2042	4	29	82	0	1	1
2043	2	25	39	0	1	1
2044	3	27	60	0	1	1
2045	7	48	126	0	1	1
2046	5	25	106	0	1	1
2047	6	28	120	0	1	1
2048	4	18	78	0	1	0
2049	0	1	12	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*7*	*48*	*126*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	13	8
2043	0	0	0	0	7	4
2044	0	0	0	0	4	2
2045	0	0	0	0	8	5
2046	0	0	0	0	3	2
2047	0	0	0	0	6	3
2048	0	0	0	0	3	2
2049	0	0	0	0	1	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*13*	*8*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	1	0
2042	1	21	6	0	5	1
2043	1	43	12	0	10	2
2044	1	21	6	0	5	1
2045	1	17	5	0	5	1
2046	0	14	4	0	4	1
2047	0	16	4	0	5	1
2048	0	5	1	0	2	0
2049	0	1	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*43*	*12*	*0*	*10*	*2*

Worker Commute Trips (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	12	0	0	0
2043	0	0	8	0	0	0
2044	0	0	9	0	0	0
2045	0	1	19	0	0	0
2046	0	0	15	0	0	0
2047	0	1	19	0	0	0
2048	0	0	12	0	0	0
2049	0	0	3	0	0	0
2050	0	0	1	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*19*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	6	22	0	4	2
2042	5	51	100	1	19	9
2043	3	69	59	0	18	6
2044	4	48	75	0	10	4
2045	8	65	149	1	14	6
2046	6	40	125	1	8	3
2047	7	45	144	1	11	5
2048	4	23	91	0	6	3
2049	0	3	16	0	1	1
2050	0	0	1	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*8*	*69*	*149*	*1*	*19*	*9*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0736	0.0736	0.0736	0.0736	0.0736
HH	Equipment	0.0000	0.0000	0.1446	0.1446	0.1446	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0087	0.0087	0.0087	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1534	0.1534	0.1534	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2189	0.0842	0.0842	0.0842
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0086	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2276	0.0847	0.0847	0.0847
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0564	0.0564
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.1446	0.1446	0.2793	0.2210	0.2210	0.2919	0.3762	0.2415	0.2959	0.2959
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0003	0.0001	0.0001	0.0002	0.0002	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0087	0.0087	0.0167	0.0086	0.0086	0.0112	0.0117	0.0036	0.0056	0.0056
1.8290	Total	0.000	0.000	0.153	0.153	0.296	0.230	0.230	0.303	0.388	0.245	0.302	0.302
YEARLY TOTALS		2.602											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0710	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0026	0.0005	0.0005	0.0005	0.0075	0.0075	0.0075	0.0082	0.0012	0.0012	0.0647	0.0647
	Total	0.0736	0.0844	0.0844	0.0844	0.4295	0.4295	0.4295	0.4743	0.1292	0.1292	0.1936	0.1936
HH	Equipment	0.0863	0.3811	0.3811	0.3811	0.3811	0.3811	0.3811	0.2948	0.3831	0.0883	0.0883	0.2708
	Activity	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0016
	Hauling	0.0005	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0295	0.0302	0.0007	0.0007	0.1006
	Total	0.0868	0.4116	0.4116	0.4116	0.4116	0.4116	0.4116	0.3247	0.4138	0.0890	0.0890	0.3731
LBSM	Equipment	0.3384	0.3899	0.3899	0.2129	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0073	0.0081	0.0081	0.0200	0.0195	0.0195	0.0195	0.0195	0.0195	0.0199	0.0195	0.0195
	Total	0.3458	0.3981	0.3981	0.2332	0.1485	0.1485	0.1485	0.1485	0.1485	0.1825	0.1485	0.1485
HB1	Equipment	0.0795	0.0795	0.0912	0.0912	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0005	0.0005	0.0040	0.0040	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
	Total	0.0800	0.0800	0.0952	0.0952	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.5752	0.9344	0.9461	0.7690	1.1789	1.1789	1.1789	1.1368	0.8871	0.6259	0.5921	0.7747
TOTALS	Activity	0.0002	0.0006	0.0007	0.0009	0.0010	0.0010	0.0010	0.0010	0.0009	0.0004	0.0015	0.0031
	Hauling	0.0108	0.0390	0.0425	0.0545	0.0640	0.0640	0.0640	0.0641	0.0578	0.0287	0.0919	0.1918
1.8290	Total	0.586	0.974	0.989	0.824	1.244	1.244	1.244	1.202	0.946	0.655	0.686	0.970
YEARLY TOTALS		11.564											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0647	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1936	0.1936	0.1936	0.1936	0.1936	0.1936	0.1936	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.2708	0.2708	0.2708	0.2708	0.2708	0.2708	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1006	0.1006	0.1006	0.1006	0.1006	0.1006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3731	0.3731	0.3731	0.3731	0.3731	0.3731	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.1287	0.1287	0.1287	0.1287	0.0268	0.0268	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554
	Activity	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Hauling	0.0195	0.0195	0.0195	0.0195	0.0001	0.0001	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721
	Total	0.1485	0.1485	0.1485	0.1485	0.0270	0.0270	0.3287	0.3287	0.3287	0.3287	0.3287	0.3287
HB1	Equipment	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0427	0.0427	0.0427
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0004	0.0004	0.0004
	Total	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0431	0.0431	0.0431
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.5640	0.5640	0.5640	0.5640	0.4622	0.4622	0.4199	0.2920	0.2920	0.2980	0.2980	0.2980
TOTALS	Activity	0.0030	0.0030	0.0030	0.0030	0.0027	0.0027	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012
	Hauling	0.1875	0.1875	0.1875	0.1875	0.1682	0.1682	0.1395	0.0748	0.0748	0.0726	0.0726	0.0726
1.8290	Total	0.755	0.755	0.755	0.755	0.633	0.633	0.562	0.368	0.368	0.372	0.372	0.372
YEARLY TOTALS		6.697											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0296	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.2554	0.2554	0.2554	0.2554	0.2554	0.0000	0.0707	0.0707	0.2851	0.2851	0.2851	0.2851
	Activity	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0721	0.0721	0.0721	0.0721	0.0721	0.0000	0.0014	0.0014	0.0468	0.0468	0.0468	0.0468
	Total	0.3287	0.3287	0.3287	0.3287	0.3287	0.0000	0.0721	0.0721	0.3326	0.3326	0.3326	0.3326
HB1	Equipment	0.0427	0.0427	0.4671	0.4671	0.4671	0.4671	0.4671	0.4671	0.4671	0.5583	0.5583	0.7611
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0005
	Hauling	0.0004	0.0004	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0222	0.0222	0.0279
	Total	0.0431	0.0431	0.4859	0.4859	0.4859	0.4859	0.4859	0.4859	0.4859	0.5809	0.5809	0.7894
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.2980	0.2980	0.7225	0.7225	0.7225	0.4968	0.5379	0.5379	0.7522	0.8434	0.8434	1.0461
TOTALS	Activity	0.0012	0.0012	0.0015	0.0015	0.0015	0.0003	0.0003	0.0003	0.0011	0.0011	0.0011	0.0012
	Hauling	0.0726	0.0726	0.0906	0.0906	0.0906	0.0186	0.0198	0.0198	0.0652	0.0690	0.0690	0.0747
1.8290	Total	0.372	0.372	0.815	0.815	0.815	0.516	0.558	0.558	0.8185	0.9135	0.914	1.122
YEARLY TOTALS		8.587											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0523	0.0523
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0049
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0573	0.0573
LBSM	Equipment	0.2851	0.2851	0.2851	0.2851	0.0439	0.0439	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478
	Activity	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0468	0.0468	0.0468	0.0468	0.0012	0.0012	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.3326	0.3326	0.3326	0.3326	0.0452	0.0452	0.2498	0.2498	0.2498	0.2498	0.2498	0.2498
HB1	Equipment	1.3931	1.3931	1.3931	1.4063	1.4063	1.4063	0.8981	0.8981	0.8981	0.6673	0.6673	0.6673
	Activity	0.0007	0.0007	0.0007	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Hauling	0.0427	0.0427	0.0427	0.0339	0.0339	0.0339	0.0232	0.0232	0.0232	0.0172	0.0172	0.0172
	Total	1.4365	1.4365	1.4365	1.4407	1.4407	1.4407	0.9216	0.9216	0.9216	0.6848	0.6848	0.6848
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	1.6781	1.7290	1.7290	1.7422	1.5010	1.5010	1.1967	1.1967	1.1967	0.9660	1.0182	1.0182
TOTALS	Activity	0.0015	0.0015	0.0015	0.0014	0.0006	0.0006	0.0005	0.0005	0.0005	0.0004	0.0005	0.0005
	Hauling	0.0895	0.0943	0.0943	0.0854	0.0399	0.0399	0.0300	0.0300	0.0300	0.0240	0.0289	0.0289
1.8290	Total	1.769	1.825	1.825	1.829	1.542	1.542	1.227	1.227	1.227	0.990	1.048	1.048
YEARLY TOTALS		17.098											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0509	0.0509	0.0509	0.0509	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.2880	0.2880
	Activity	0.0001	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0018	0.0018
	Total	0.0557	0.0557	0.0557	0.0557	0.2220	0.2220	0.2220	0.2220	0.2220	0.2220	0.2898	0.2898
HH	Equipment	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
	Total	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573
LBSM	Equipment	0.2478	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551	0.2551
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0020	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
	Total	0.2498	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606	0.2606
HB1	Equipment	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.7017	0.7017	0.7017
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0099	0.0099	0.0099
	Total	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7118	0.7118	0.7118
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	1.0435	1.0508	1.0508	1.0508	1.1837	1.1837	1.1837	1.1837	1.1837	1.1928	1.2970	1.2970
TOTALS	Activity	0.0004	0.0004	0.0004	0.0004	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0003	0.0003
	Hauling	0.0237	0.0271	0.0271	0.0271	0.0598	0.0598	0.0598	0.0598	0.0598	0.0578	0.0221	0.0221
1.8290	Total	1.068	1.078	1.078	1.078	1.245	1.245	1.245	1.245	1.245	1.252	1.319	1.319
YEARLY TOTALS		14.416											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.2880	0.2034	0.2034	0.2034	0.2034	0.0684	0.0684	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0012	0.0012	0.0012	0.0012	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2898	0.2046	0.2046	0.2046	0.2046	0.0686	0.0686	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0523	0.0523	0.0523	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.2957
	Activity	0.0001	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0049	0.0049	0.0049	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0253
	Total	0.0573	0.0573	0.0573	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.3214
LBSM	Equipment	0.2551	0.2551	0.2551	0.2496	0.2496	0.2905	0.2905	0.2905	0.2905	0.2905	0.3563	0.4773
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000
	Hauling	0.0055	0.0055	0.0055	0.0017	0.0017	0.0176	0.0176	0.0176	0.0176	0.0176	0.0180	0.0027
	Total	0.2606	0.2606	0.2606	0.2513	0.2513	0.3084	0.3084	0.3084	0.3084	0.3084	0.3746	0.4801
HB1	Equipment	0.7017	0.7017	0.6469	0.7026	0.7026	0.7026	0.6834	0.7656	0.7656	0.8137	0.8137	0.8567
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0005
	Hauling	0.0099	0.0099	0.0112	0.0124	0.0124	0.0124	0.0112	0.0127	0.0127	0.0158	0.0158	0.0310
	Total	0.7118	0.7118	0.6583	0.7152	0.7152	0.7152	0.6948	0.7785	0.7785	0.8297	0.8297	0.8883
HB2	Equipment	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Total	0.0000	0.0000	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
All Areas	Equipment	1.2970	1.2125	1.2085	1.3482	1.3482	1.2541	1.2349	1.2487	1.2487	1.2968	1.3626	1.6806
TOTALS	Activity	0.0003	0.0003	0.0004	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0221	0.0215	0.0251	0.0423	0.0423	0.0572	0.0560	0.0572	0.0572	0.0603	0.0607	0.0613
1.8290	Total	1.319	1.234	1.234	1.391	1.391	1.312	1.292	1.307	1.307	1.358	1.424	1.743
YEARLY TOTALS		16.314											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.3162	0.3162	0.1622	0.1622	0.1622	0.1622	0.1622	0.1152	0.1152	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0013	0.0013	0.0013	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000
	Total	0.3181	0.3181	0.1635	0.1635	0.1635	0.1635	0.1635	0.1154	0.1154	0.0000	0.0000	0.0000
LBSM	Equipment	0.4116	0.4116	0.3658	0.2039	0.2039	0.2039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0014	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.4139	0.4139	0.3672	0.2047	0.2047	0.2047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.8567	0.8567	0.8567	0.7319	0.7319	0.7319	0.2263	0.2263	0.2263	0.2172	0.2172	0.2172
	Activity	0.0005	0.0005	0.0005	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0310	0.0310	0.0310	0.0144	0.0144	0.0144	0.0027	0.0027	0.0027	0.0009	0.0009	0.0009
	Total	0.8883	0.8883	0.8883	0.7465	0.7465	0.7465	0.2290	0.2290	0.2290	0.2181	0.2181	0.2181
HB2	Equipment	0.0509	0.0509	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Total	0.0532	0.0532	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494
All Areas	Equipment	1.6353	1.6353	1.4337	1.1470	1.1470	1.1470	0.4375	0.3904	0.3904	0.2661	0.2661	0.2661
TOTALS	Activity	0.0006	0.0006	0.0006	0.0003	0.0003	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0374	0.0374	0.0341	0.0168	0.0168	0.0168	0.0043	0.0033	0.0033	0.0013	0.0013	0.0013
1.8290	Total	1.673	1.673	1.468	1.164	1.164	1.164	0.442	0.394	0.394	0.267	0.267	0.267
YEARLY TOTALS		10.339											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.2981	0.3361	0.2937	0.1791	0.1791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0042	0.0281	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3022	0.3404	0.3223	0.1797	0.1797	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0490	0.0490	0.0490	0.0675	0.0675	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0494	0.0494	0.0494	0.0679	0.0679	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3471	0.3851	0.3426	0.2465	0.2465	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0046	0.0285	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.8290	Total	0.352	0.390	0.372	0.248	0.248	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		1.608											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090
0.3302	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0188	0.0188	0.0188	0.0188
HH	Equipment	0.0000	0.0000	0.0198	0.0198	0.0198	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0297	0.0297	0.0297	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.57	Total	0.0000	0.0000	0.0498	0.0498	0.0498	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0407	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0289	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0698	0.0234	0.0234	0.0234
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075	0.0075
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069	0.0069
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0144
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0198	0.0198	0.0383	0.0413	0.0413	0.0510	0.0732	0.0548	0.0622	0.0622
TOTALS	Activity	0.0000	0.0000	0.0003	0.0003	0.0005	0.0003	0.0003	0.0004	0.0004	0.0001	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0297	0.0297	0.0573	0.0289	0.0289	0.0378	0.0390	0.0114	0.0183	0.0183
1.2577	Total	0.000	0.000	0.050	0.050	0.096	0.070	0.070	0.089	0.113	0.066	0.081	0.081
YEARLY TOTALS		0.766											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0097	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008
	Activity	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021
	Hauling	0.0090	0.0011	0.0011	0.0011	0.0256	0.0256	0.0256	0.0272	0.0028	0.0028	0.2272	0.2272
0.3302	Total	0.0188	0.0233	0.0233	0.0233	0.0947	0.0947	0.0947	0.1023	0.0310	0.0310	0.3302	0.3302
HH	Equipment	0.0228	0.0659	0.0659	0.0659	0.0659	0.0659	0.0659	0.0431	0.0551	0.0121	0.0121	0.2134
	Activity	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0033
	Hauling	0.0012	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1031	0.1047	0.0016	0.0016	0.3536
0.57	Total	0.0240	0.1711	0.1711	0.1711	0.1711	0.1711	0.1711	0.1471	0.1608	0.0137	0.0137	0.5703
LBSM	Equipment	0.0597	0.0667	0.0667	0.1236	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0006	0.0006
	Hauling	0.0243	0.0262	0.0262	0.0698	0.0686	0.0686	0.0686	0.0686	0.0686	0.0694	0.0686	0.0686
	Total	0.0842	0.0932	0.0932	0.1940	0.1706	0.1706	0.1706	0.1706	0.1706	0.1743	0.1706	0.1706
HB1	Equipment	0.0210	0.0210	0.0128	0.0128	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618
	Activity	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0011	0.0011	0.0141	0.0141	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247
	Total	0.0221	0.0221	0.0270	0.0270	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1132	0.1757	0.1676	0.2244	0.3979	0.3979	0.3979	0.3811	0.3465	0.3063	0.3760	0.5773
TOTALS	Activity	0.0003	0.0012	0.0014	0.0018	0.0021	0.0021	0.0021	0.0021	0.0019	0.0009	0.0030	0.0064
	Hauling	0.0356	0.1327	0.1457	0.1892	0.2231	0.2231	0.2231	0.2235	0.2007	0.0985	0.3221	0.6741
1.2577	Total	0.149	0.310	0.315	0.415	0.623	0.623	0.623	0.607	0.549	0.406	0.701	1.258
YEARLY TOTALS		6.578											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2272	0.2272	0.2272	0.2272	0.2272	0.2272	0.2272	0.0000	0.0000	0.0000	0.0000	0.0000
0.3302	Total	0.3302	0.3302	0.3302	0.3302	0.3302	0.3302	0.3302	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.2134	0.2134	0.2134	0.2134	0.2134	0.2134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3536	0.3536	0.3536	0.3536	0.3536	0.3536	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.5703	0.5703	0.5703	0.5703	0.5703	0.5703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.1014	0.1014	0.1014	0.1014	0.0023	0.0023	0.1483	0.1483	0.1483	0.1483	0.1483	0.1483
	Activity	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Hauling	0.0686	0.0686	0.0686	0.0686	0.0004	0.0004	0.2574	0.2574	0.2574	0.2574	0.2574	0.2574
	Total	0.1706	0.1706	0.1706	0.1706	0.0026	0.0026	0.4081	0.4081	0.4081	0.4081	0.4081	0.4081
HB1	Equipment	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0056	0.0056	0.0056
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0010	0.0010	0.0010
	Total	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0066	0.0066	0.0066
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.4188	0.4188	0.4188	0.4188	0.3197	0.3197	0.2524	0.1516	0.1516	0.1538	0.1538	0.1538
TOTALS	Activity	0.0062	0.0062	0.0062	0.0062	0.0056	0.0056	0.0047	0.0025	0.0025	0.0024	0.0024	0.0024
	Hauling	0.6590	0.6590	0.6590	0.6590	0.5907	0.5907	0.4941	0.2669	0.2669	0.2584	0.2584	0.2584
1.2577	Total	1.084	1.084	1.084	1.084	0.916	0.916	0.751	0.421	0.421	0.415	0.415	0.415
YEARLY TOTALS		9.005											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3302	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.1483	0.1483	0.1483	0.1483	0.1483	0.0000	0.0395	0.0395	0.1773	0.1773	0.1773	0.1773
	Activity	0.0024	0.0024	0.0024	0.0024	0.0024	0.0000	0.0000	0.0000	0.0016	0.0016	0.0016	0.0016
	Hauling	0.2574	0.2574	0.2574	0.2574	0.2574	0.0000	0.0049	0.0049	0.1701	0.1701	0.1701	0.1701
	Total	0.4081	0.4081	0.4081	0.4081	0.4081	0.0000	0.0445	0.0445	0.3491	0.3491	0.3491	0.3491
HB1	Equipment	0.0056	0.0056	0.1771	0.1771	0.1771	0.1771	0.1771	0.1771	0.1771	0.1899	0.1899	0.3621
	Activity	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0008	0.0010
	Hauling	0.0010	0.0010	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0795	0.0795	0.1005
	Total	0.0066	0.0066	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434	0.2701	0.2701	0.4636
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1538	0.1538	0.3253	0.3253	0.3253	0.1797	0.2166	0.2166	0.3544	0.3672	0.3672	0.5394
TOTALS	Activity	0.0024	0.0024	0.0031	0.0031	0.0031	0.0006	0.0007	0.0007	0.0022	0.0024	0.0024	0.0026
	Hauling	0.2584	0.2584	0.3231	0.3231	0.3231	0.0659	0.0706	0.0706	0.2358	0.2496	0.2496	0.2707
1.2577	Total	0.415	0.415	0.651	0.651	0.651	0.246	0.2878	0.2878	0.5924	0.6192	0.619	0.813
YEARLY TOTALS		6.249											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181
0.3302	Total	0.0000	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044	0.0044
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0186	0.0186
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0233	0.0233
LBSM	Equipment	0.1773	0.1773	0.1773	0.1773	0.0373	0.0373	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570
	Activity	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1701	0.1701	0.1701	0.1701	0.0046	0.0046	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
	Total	0.3491	0.3491	0.3491	0.3491	0.0419	0.0419	0.0634	0.0634	0.0634	0.0634	0.0634	0.0634
HB1	Equipment	0.5656	0.5656	0.5656	0.5465	0.5465	0.5465	0.3689	0.3689	0.3689	0.2067	0.2067	0.2067
	Activity	0.0014	0.0014	0.0014	0.0011	0.0011	0.0011	0.0008	0.0008	0.0008	0.0006	0.0006	0.0006
	Hauling	0.1528	0.1528	0.1528	0.1210	0.1210	0.1210	0.0832	0.0832	0.0832	0.0613	0.0613	0.0613
	Total	0.7198	0.7198	0.7198	0.6686	0.6686	0.6686	0.4530	0.4530	0.4530	0.2685	0.2685	0.2685
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.7429	0.7472	0.7472	0.7281	0.5881	0.5881	0.4302	0.4302	0.4302	0.2680	0.2724	0.2724
TOTALS	Activity	0.0031	0.0032	0.0032	0.0029	0.0014	0.0014	0.0010	0.0010	0.0010	0.0008	0.0010	0.0010
	Hauling	0.3230	0.3411	0.3411	0.3093	0.1437	0.1437	0.1077	0.1077	0.1077	0.0857	0.1044	0.1044
1.2577	Total	1.069	1.092	1.092	1.040	0.733	0.733	0.539	0.5390	0.5390	0.355	0.378	0.378
YEARLY TOTALS		8.486											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0043	0.0043	0.0043	0.0043	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0462	0.0462
	Activity	0.0002	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000
	Hauling	0.0181	0.0181	0.0181	0.0181	0.1435	0.1435	0.1435	0.1435	0.1435	0.1435	0.0041	0.0041
0.3302	Total	0.0226	0.0226	0.0226	0.0226	0.1742	0.1742	0.1742	0.1742	0.1742	0.1742	0.0503	0.0503
HH	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186
0.57	Total	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233
LBSM	Equipment	0.0570	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241
	Activity	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0063	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199
	Total	0.0634	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442
HB1	Equipment	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2174	0.2174	0.2174
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Hauling	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0344	0.0344	0.0344
	Total	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2521	0.2521	0.2521
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.2806	0.2476	0.2476	0.2476	0.2727	0.2727	0.2727	0.2727	0.2727	0.2753	0.2920	0.2920
TOTALS	Activity	0.0008	0.0009	0.0009	0.0009	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0007	0.0007
	Hauling	0.0855	0.0991	0.0991	0.0991	0.2245	0.2245	0.2245	0.2245	0.2245	0.2164	0.0771	0.0771
1.2577	Total	0.367	0.348	0.348	0.348	0.499	0.499	0.499	0.499	0.499	0.494	0.370	0.370
YEARLY TOTALS		5.140											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0462	0.0314	0.0314	0.0314	0.0314	0.0111	0.0111	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
0.3302	Total	0.0503	0.0343	0.0343	0.0343	0.0343	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0044	0.0044	0.0044	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0412
	Activity	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0186	0.0186	0.0186	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0974
0.57	Total	0.0233	0.0233	0.0233	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1396
LBSM	Equipment	0.0241	0.0241	0.0241	0.0257	0.0257	0.0333	0.0333	0.0333	0.0333	0.0333	0.0447	0.0634
	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0001
	Hauling	0.0199	0.0199	0.0199	0.0039	0.0039	0.0667	0.0667	0.0667	0.0667	0.0667	0.0677	0.0063
	Total	0.0442	0.0442	0.0442	0.0296	0.0296	0.1006	0.1006	0.1006	0.1006	0.1006	0.1130	0.0698
HB1	Equipment	0.2174	0.2174	0.1997	0.2077	0.2077	0.2077	0.2153	0.2418	0.2418	0.2370	0.2370	0.3274
	Activity	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0006	0.0006	0.0012
	Hauling	0.0344	0.0344	0.0413	0.0465	0.0465	0.0465	0.0413	0.0468	0.0468	0.0595	0.0595	0.1201
	Total	0.2521	0.2521	0.2415	0.2546	0.2546	0.2546	0.2570	0.2890	0.2890	0.2971	0.2971	0.4486
HB2	Equipment	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090
	Total	0.0000	0.0000	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
All Areas	Equipment	0.2920	0.2773	0.2640	0.2929	0.2929	0.2801	0.2878	0.3031	0.3031	0.2984	0.3098	0.4364
TOTALS	Activity	0.0007	0.0007	0.0009	0.0015	0.0015	0.0021	0.0020	0.0021	0.0021	0.0022	0.0022	0.0022
	Hauling	0.0771	0.0757	0.0917	0.1584	0.1584	0.2189	0.2137	0.2186	0.2186	0.2314	0.2323	0.2328
1.2577	Total	0.370	0.354	0.357	0.453	0.453	0.501	0.503	0.524	0.524	0.532	0.544	0.671
YEARLY TOTALS		5.786											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3302	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0424	0.0424	0.0249	0.0249	0.0249	0.0249	0.0249	0.0187	0.0187	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0041	0.0029	0.0029	0.0029	0.0029	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000
0.57	Total	0.0465	0.0465	0.0278	0.0278	0.0278	0.0278	0.0278	0.0194	0.0194	0.0000	0.0000	0.0000
LBSM	Equipment	0.0520	0.0520	0.0460	0.0197	0.0197	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0053	0.0031	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0573	0.0573	0.0492	0.0215	0.0215	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.3274	0.3274	0.3274	0.2244	0.2244	0.2244	0.0213	0.0213	0.0213	0.0223	0.0223	0.0223
	Activity	0.0012	0.0012	0.0012	0.0005	0.0005	0.0005	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.1201	0.1201	0.1201	0.0543	0.0543	0.0543	0.0097	0.0097	0.0097	0.0021	0.0021	0.0021
	Total	0.4486	0.4486	0.4486	0.2792	0.2792	0.2792	0.0311	0.0311	0.0311	0.0244	0.0244	0.0244
HB2	Equipment	0.0043	0.0043	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0090	0.0090	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0134	0.0134	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
All Areas	Equipment	0.4260	0.4260	0.4047	0.2754	0.2754	0.2754	0.0526	0.0464	0.0464	0.0287	0.0287	0.0287
TOTALS	Activity	0.0013	0.0013	0.0012	0.0006	0.0006	0.0006	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.1385	0.1385	0.1270	0.0598	0.0598	0.0598	0.0135	0.0112	0.0112	0.0030	0.0030	0.0030
1.2577	Total	0.566	0.566	0.533	0.336	0.336	0.336	0.066	0.058	0.058	0.032	0.032	0.032
YEARLY TOTALS		2.949											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3302	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0373	0.0443	0.0386	0.0173	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0148	0.0151	0.1153	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0523	0.0595	0.1550	0.0187	0.0187	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0064	0.0064	0.0064	0.0110	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0073	0.0073	0.0073	0.0120	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0437	0.0507	0.0450	0.0283	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0002	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0157	0.0160	0.1162	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.2577	Total	0.060	0.067	0.162	0.031	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.350											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0120	0.0120	0.0120	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
	Hauling	0.0000	0.0000	0.0069	0.0069	0.0069	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0195	0.0195	0.0195	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0429	0.0222	0.0222	0.0222
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0073	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0513	0.0236	0.0236	0.0236
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0099	0.0099
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0011	0.0011	0.0011	0.0014	0.0020	0.0015	0.0017	0.0017
TOTALS	Activity	0.0000	0.0000	0.0120	0.0120	0.0327	0.0434	0.0434	0.0539	0.0761	0.0554	0.0635	0.0635
	Hauling	0.0000	0.0000	0.0069	0.0069	0.0133	0.0073	0.0073	0.0094	0.0103	0.0039	0.0055	0.0055
0.3573	Total	0.000	0.000	0.019	0.019	0.047	0.052	0.052	0.065	0.088	0.061	0.071	0.071
YEARLY TOTALS		0.545											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0003	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029
	Activity	0.0105	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0462	0.0462
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0534	0.0534
0.1025	Total	0.0129	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.1025	0.1025
HH	Equipment	0.0006	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0017	0.0021	0.0004	0.0004	0.0062
	Activity	0.0227	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0233	0.0233	0.0000	0.0000	0.0500
	Hauling	0.0009	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0248	0.0261	0.0013	0.0013	0.0831
	Total	0.0242	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0498	0.0516	0.0017	0.0017	0.1393
LBSM	Equipment	0.0021	0.0023	0.0023	0.0035	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0410	0.0410	0.0410	0.0670	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449
	Hauling	0.0064	0.0079	0.0079	0.0170	0.0161	0.0161	0.0161	0.0161	0.0161	0.0168	0.0161	0.0161
	Total	0.0495	0.0513	0.0513	0.0876	0.0639	0.0639	0.0639	0.0639	0.0639	0.0647	0.0639	0.0639
HB1	Equipment	0.0006	0.0006	0.0005	0.0005	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Activity	0.0209	0.0209	0.0116	0.0116	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436
	Hauling	0.0008	0.0008	0.0034	0.0034	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058
	Total	0.0223	0.0223	0.0155	0.0155	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0035	0.0058	0.0057	0.0070	0.0099	0.0099	0.0099	0.0095	0.0081	0.0065	0.0085	0.0144
TOTALS	Activity	0.0952	0.1301	0.1207	0.1467	0.1767	0.1767	0.1767	0.1540	0.1339	0.1106	0.1346	0.1846
	Hauling	0.0102	0.0353	0.0379	0.0470	0.0544	0.0544	0.0544	0.0548	0.0502	0.0261	0.0766	0.1584
0.3573	Total	0.109	0.171	0.164	0.201	0.241	0.241	0.241	0.218	0.192	0.143	0.220	0.357
YEARLY TOTALS		2.499											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0831	0.0831	0.0831	0.0831	0.0831	0.0831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1393	0.1393	0.1393	0.1393	0.1393	0.1393	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0030	0.0030	0.0030	0.0030	0.0001	0.0001	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036
	Activity	0.0449	0.0449	0.0449	0.0449	0.0000	0.0000	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
	Hauling	0.0161	0.0161	0.0161	0.0161	0.0003	0.0003	0.0637	0.0637	0.0637	0.0637	0.0637	0.0637
	Total	0.0639	0.0639	0.0639	0.0639	0.0004	0.0004	0.0837	0.0837	0.0837	0.0837	0.0837	0.0837
HB1	Equipment	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0008	0.0008	0.0008
	Total	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0012	0.0012	0.0012
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0123	0.0123	0.0123	0.0123	0.0094	0.0094	0.0066	0.0037	0.0037	0.0039	0.0039	0.0039
TOTALS	Activity	0.1410	0.1410	0.1410	0.1410	0.0961	0.0961	0.0627	0.0165	0.0165	0.0165	0.0165	0.0165
	Hauling	0.1548	0.1548	0.1548	0.1548	0.1390	0.1390	0.1193	0.0659	0.0659	0.0645	0.0645	0.0645
0.3573	Total	0.308	0.308	0.308	0.308	0.245	0.245	0.189	0.086	0.086	0.085	0.085	0.085
YEARLY TOTALS		2.337											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0036	0.0036	0.0036	0.0036	0.0036	0.0000	0.0015	0.0015	0.0047	0.0047	0.0047	0.0047
	Activity	0.0165	0.0165	0.0165	0.0165	0.0165	0.0000	0.0252	0.0252	0.0401	0.0401	0.0401	0.0401
	Hauling	0.0637	0.0637	0.0637	0.0637	0.0637	0.0000	0.0014	0.0014	0.0432	0.0432	0.0432	0.0432
	Total	0.0837	0.0837	0.0837	0.0837	0.0837	0.0000	0.0281	0.0281	0.0880	0.0880	0.0880	0.0880
HB1	Equipment	0.0003	0.0003	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0038	0.0038	0.0064
	Activity	0.0000	0.0000	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0256	0.0256	0.0795
	Hauling	0.0008	0.0008	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0217	0.0217	0.0266
	Total	0.0012	0.0012	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0512	0.0512	0.1125
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0039	0.0039	0.0069	0.0069	0.0069	0.0034	0.0047	0.0047	0.0080	0.0085	0.0085	0.0111
TOTALS	Activity	0.0165	0.0165	0.0305	0.0305	0.0305	0.0140	0.0393	0.0393	0.0541	0.0657	0.0657	0.1196
	Hauling	0.0645	0.0645	0.0820	0.0820	0.0820	0.0186	0.0197	0.0197	0.0615	0.0649	0.0649	0.0698
0.3573	Total	0.085	0.085	0.119	0.119	0.119	0.0360	0.0637	0.0637	0.1237	0.139	0.139	0.201
YEARLY TOTALS		1.294											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
0.1025	Total	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047
LBSM	Equipment	0.0047	0.0047	0.0047	0.0047	0.0014	0.0014	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Activity	0.0401	0.0401	0.0401	0.0401	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
	Hauling	0.0432	0.0432	0.0432	0.0432	0.0011	0.0011	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
	Total	0.0880	0.0880	0.0880	0.0880	0.0277	0.0277	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301
HB1	Equipment	0.0103	0.0103	0.0103	0.0098	0.0098	0.0098	0.0064	0.0064	0.0064	0.0041	0.0041	0.0041
	Activity	0.0934	0.0934	0.0934	0.0711	0.0711	0.0711	0.0577	0.0577	0.0577	0.0140	0.0140	0.0140
	Hauling	0.0418	0.0418	0.0418	0.0342	0.0342	0.0342	0.0225	0.0225	0.0225	0.0173	0.0173	0.0173
	Total	0.1456	0.1456	0.1456	0.1151	0.1151	0.1151	0.0866	0.0866	0.0866	0.0353	0.0353	0.0353
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0151	0.0152	0.0152	0.0147	0.0113	0.0113	0.0087	0.0087	0.0087	0.0064	0.0065	0.0065
TOTALS	Activity	0.1335	0.1335	0.1335	0.1112	0.0963	0.0963	0.0829	0.0829	0.0829	0.0392	0.0392	0.0392
	Hauling	0.0850	0.0893	0.0893	0.0818	0.0397	0.0397	0.0296	0.0296	0.0296	0.0244	0.0289	0.0289
0.3573	Total	0.234	0.238	0.238	0.208	0.147	0.147	0.1212	0.1212	0.121	0.070	0.075	0.075
YEARLY TOTALS		1.795											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0002	0.0002	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0100	0.0100
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0041	0.0041
0.1025	Total	0.0045	0.0045	0.0045	0.0045	0.0606	0.0606	0.0606	0.0606	0.0606	0.0606	0.0163	0.0163
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
LBSM	Equipment	0.0021	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0301	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
HB1	Equipment	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0045	0.0045	0.0045
	Activity	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143
	Hauling	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0117	0.0117	0.0117
	Total	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0305	0.0305	0.0305
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0067	0.0055	0.0055	0.0055	0.0069	0.0069	0.0069	0.0069	0.0069	0.0071	0.0078	0.0078
TOTALS	Activity	0.0396	0.0143	0.0143	0.0143	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0244	0.0244
	Hauling	0.0246	0.0279	0.0279	0.0279	0.0597	0.0597	0.0597	0.0597	0.0597	0.0584	0.0263	0.0263
0.3573	Total	0.071	0.048	0.048	0.048	0.104	0.104	0.104	0.104	0.104	0.103	0.058	0.058
YEARLY TOTALS		0.952											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0022	0.0018	0.0018	0.0018	0.0018	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0163	0.0146	0.0146	0.0146	0.0146	0.0112	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0017
	Activity	0.0000	0.0000	0.0000	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219
	Hauling	0.0045	0.0045	0.0045	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0263
	Total	0.0047	0.0047	0.0047	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0499
LBSM	Equipment	0.0009	0.0009	0.0009	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014	0.0014	0.0017	0.0029
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0188	0.0188	0.0188	0.0188	0.0188	0.0238
	Hauling	0.0060	0.0060	0.0060	0.0039	0.0039	0.0190	0.0190	0.0190	0.0190	0.0190	0.0201	0.0063
	Total	0.0070	0.0070	0.0070	0.0050	0.0050	0.0392	0.0392	0.0392	0.0392	0.0392	0.0406	0.0329
HB1	Equipment	0.0045	0.0045	0.0041	0.0042	0.0042	0.0042	0.0043	0.0049	0.0049	0.0050	0.0050	0.0075
	Activity	0.0143	0.0143	0.0131	0.0206	0.0206	0.0206	0.0344	0.0363	0.0363	0.0266	0.0266	0.0606
	Hauling	0.0117	0.0117	0.0133	0.0139	0.0139	0.0139	0.0133	0.0149	0.0149	0.0175	0.0175	0.0320
	Total	0.0305	0.0305	0.0305	0.0386	0.0386	0.0386	0.0520	0.0561	0.0561	0.0491	0.0491	0.1001
HB2	Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
All Areas	Equipment	0.0078	0.0074	0.0072	0.0083	0.0083	0.0073	0.0075	0.0074	0.0074	0.0075	0.0078	0.0122
TOTALS	Activity	0.0244	0.0244	0.0232	0.0525	0.0525	0.0713	0.0852	0.0770	0.0770	0.0673	0.0673	0.1063
	Hauling	0.0263	0.0250	0.0287	0.0477	0.0477	0.0607	0.0601	0.0612	0.0612	0.0637	0.0647	0.0668
0.3573	Total	0.058	0.057	0.059	0.108	0.108	0.139	0.153	0.146	0.146	0.139	0.140	0.185
YEARLY TOTALS		1.438											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0021	0.0021	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010	0.0000	0.0000	0.0000
	Activity	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0000	0.0000	0.0000
	Hauling	0.0042	0.0042	0.0029	0.0029	0.0029	0.0029	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000
	Total	0.0176	0.0176	0.0156	0.0156	0.0156	0.0156	0.0156	0.0130	0.0130	0.0000	0.0000	0.0000
LBSM	Equipment	0.0026	0.0026	0.0022	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0238	0.0238	0.0238	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0053	0.0031	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0316	0.0316	0.0290	0.0024	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0075	0.0075	0.0075	0.0044	0.0044	0.0044	0.0008	0.0008	0.0008	0.0010	0.0010	0.0010
	Activity	0.0606	0.0606	0.0606	0.0150	0.0150	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0320	0.0320	0.0320	0.0161	0.0161	0.0161	0.0035	0.0035	0.0035	0.0022	0.0022	0.0022
	Total	0.1001	0.1001	0.1001	0.0356	0.0356	0.0356	0.0043	0.0043	0.0043	0.0031	0.0031	0.0031
HB2	Equipment	0.0002	0.0002	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0023	0.0023	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
All Areas	Equipment	0.0123	0.0123	0.0114	0.0070	0.0070	0.0070	0.0026	0.0022	0.0022	0.0013	0.0013	0.0013
TOTALS	Activity	0.0957	0.0957	0.0957	0.0263	0.0263	0.0263	0.0113	0.0113	0.0113	0.0000	0.0000	0.0000
	Hauling	0.0437	0.0437	0.0390	0.0217	0.0217	0.0217	0.0074	0.0051	0.0051	0.0031	0.0031	0.0031
0.3573	Total	0.152	0.152	0.146	0.055	0.055	0.055	0.021	0.019	0.019	0.004	0.004	0.004
YEARLY TOTALS		0.686											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1025	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0015	0.0017	0.0015	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0183	0.0183	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0056	0.0291	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0251	0.0256	0.0646	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0004	0.0004	0.0004	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0013	0.0013	0.0013	0.0216	0.0216	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0019	0.0021	0.0018	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0183	0.0183	0.0341	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0062	0.0066	0.0301	0.0026	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3573	Total	0.026	0.027	0.066	0.024	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.167											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
0.0010	Activity	0.0000	0.0000	0.0080	0.0080	0.0080	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0095	0.0095	0.0095	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0277	0.0131	0.0131	0.0131
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0011	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0298	0.0137	0.0137	0.0137
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0059
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063	0.0063
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0010	0.0010	0.0013	0.0018	0.0014	0.0016	0.0016
TOTALS	Activity	0.0000	0.0000	0.0080	0.0080	0.0226	0.0280	0.0280	0.0357	0.0488	0.0341	0.0400	0.0400
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0020	0.0011	0.0011	0.0014	0.0015	0.0005	0.0007	0.0007
0.1429	Total	0.000	0.000	0.010	0.010	0.026	0.030	0.030	0.038	0.052	0.036	0.042	0.042
YEARLY TOTALS		0.316											

$PM_{2.5}$ TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0003	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027
0.0007	Activity	0.0077	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0263	0.0263
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0080	0.0080
0.0369	Total	0.0082	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0369	0.0369
HH	Equipment	0.0006	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0016	0.0020	0.0004	0.0004	0.0058
0.0010	Activity	0.0134	0.0259	0.0259	0.0259	0.0259	0.0259	0.0259	0.0125	0.0125	0.0000	0.0000	0.0280
	Hauling	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001	0.0001	0.0124
	Total	0.0141	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0178	0.0184	0.0005	0.0005	0.0461
LBSM	Equipment	0.0020	0.0022	0.0022	0.0033	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
0.0019	Activity	0.0239	0.0239	0.0239	0.0393	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
	Hauling	0.0009	0.0011	0.0011	0.0025	0.0024	0.0024	0.0024	0.0024	0.0024	0.0025	0.0024	0.0024
	Total	0.0268	0.0272	0.0272	0.0450	0.0313	0.0313	0.0313	0.0313	0.0313	0.0315	0.0313	0.0313
HB1	Equipment	0.0005	0.0005	0.0005	0.0005	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
0.0032	Activity	0.0123	0.0123	0.0067	0.0067	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256
	Hauling	0.0001	0.0001	0.0005	0.0005	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0129	0.0129	0.0077	0.0077	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0033	0.0055	0.0055	0.0065	0.0093	0.0093	0.0093	0.0089	0.0076	0.0060	0.0079	0.0133
TOTALS	Activity	0.0573	0.0752	0.0696	0.0849	0.1024	0.1024	0.1024	0.0890	0.0774	0.0648	0.0780	0.1060
	Hauling	0.0014	0.0050	0.0054	0.0068	0.0080	0.0080	0.0080	0.0080	0.0073	0.0037	0.0114	0.0236
0.1429	Total	0.062	0.086	0.080	0.098	0.120	0.120	0.120	0.106	0.092	0.075	0.097	0.143
YEARLY TOTALS		1.198											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0027	0.0027	0.0027	0.0027	0.0001	0.0001	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032
0.0019	Activity	0.0262	0.0262	0.0262	0.0262	0.0000	0.0000	0.0086	0.0086	0.0086	0.0086	0.0086	0.0086
	Hauling	0.0024	0.0024	0.0024	0.0024	0.0000	0.0000	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
	Total	0.0313	0.0313	0.0313	0.0313	0.0001	0.0001	0.0212	0.0212	0.0212	0.0212	0.0212	0.0212
HB1	Equipment	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003
0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0113	0.0113	0.0113	0.0113	0.0087	0.0087	0.0061	0.0034	0.0034	0.0035	0.0035	0.0035
TOTALS	Activity	0.0804	0.0804	0.0804	0.0804	0.0542	0.0542	0.0349	0.0086	0.0086	0.0086	0.0086	0.0086
	Hauling	0.0231	0.0231	0.0231	0.0231	0.0207	0.0207	0.0176	0.0096	0.0096	0.0094	0.0094	0.0094
0.1429	Total	0.115	0.115	0.115	0.115	0.084	0.084	0.059	0.022	0.022	0.022	0.022	0.022
YEARLY TOTALS		0.793											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0032	0.0032	0.0032	0.0032	0.0032	0.0000	0.0014	0.0014	0.0043	0.0043	0.0043	0.0043
0.0019	Activity	0.0086	0.0086	0.0086	0.0086	0.0086	0.0000	0.0149	0.0149	0.0229	0.0229	0.0229	0.0229
	Hauling	0.0093	0.0093	0.0093	0.0093	0.0093	0.0000	0.0002	0.0002	0.0063	0.0063	0.0063	0.0063
	Total	0.0212	0.0212	0.0212	0.0212	0.0212	0.0000	0.0164	0.0164	0.0335	0.0335	0.0335	0.0335
HB1	Equipment	0.0003	0.0003	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0036	0.0036	0.0059
0.0032	Activity	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0147	0.0147	0.0465
	Hauling	0.0001	0.0001	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0031	0.0031	0.0038
	Total	0.0004	0.0004	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0214	0.0214	0.0562
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0035	0.0035	0.0063	0.0063	0.0063	0.0032	0.0045	0.0045	0.0074	0.0079	0.0079	0.0103
TOTALS	Activity	0.0086	0.0086	0.0167	0.0167	0.0167	0.0081	0.0229	0.0229	0.0310	0.0377	0.0377	0.0694
	Hauling	0.0094	0.0094	0.0119	0.0119	0.0119	0.0026	0.0027	0.0027	0.0088	0.0093	0.0093	0.0101
0.1429	Total	0.022	0.022	0.035	0.035	0.035	0.014	0.030	0.030	0.0472	0.0549	0.055	0.090
YEARLY TOTALS		0.469											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
0.0369	Total	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008
LBSM	Equipment	0.0043	0.0043	0.0043	0.0043	0.0013	0.0013	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
0.0019	Activity	0.0229	0.0229	0.0229	0.0229	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
	Hauling	0.0063	0.0063	0.0063	0.0063	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0335	0.0335	0.0335	0.0335	0.0163	0.0163	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173
HB1	Equipment	0.0097	0.0097	0.0097	0.0092	0.0092	0.0092	0.0060	0.0060	0.0060	0.0039	0.0039	0.0039
0.0032	Activity	0.0545	0.0545	0.0545	0.0415	0.0415	0.0415	0.0337	0.0337	0.0337	0.0080	0.0080	0.0080
	Hauling	0.0059	0.0059	0.0059	0.0048	0.0048	0.0048	0.0032	0.0032	0.0032	0.0024	0.0024	0.0024
	Total	0.0701	0.0701	0.0701	0.0554	0.0554	0.0554	0.0429	0.0429	0.0429	0.0143	0.0143	0.0143
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0140	0.0142	0.0142	0.0137	0.0107	0.0107	0.0082	0.0082	0.0082	0.0061	0.0063	0.0063
TOTALS	Activity	0.0775	0.0775	0.0775	0.0644	0.0563	0.0563	0.0486	0.0486	0.0486	0.0229	0.0229	0.0229
	Hauling	0.0121	0.0128	0.0128	0.0117	0.0056	0.0056	0.0042	0.0042	0.0042	0.0034	0.0040	0.0040
0.1429	Total	0.104	0.104	0.104	0.090	0.073	0.073	0.061	0.0609	0.0609	0.032	0.033	0.033
YEARLY TOTALS		0.829											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0021	0.0021
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0059	0.0059
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0004	0.0004
0.0369	Total	0.0008	0.0008	0.0008	0.0008	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0084	0.0084
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
LBSM	Equipment	0.0020	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0019	Activity	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0173	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
HB1	Equipment	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0042	0.0042	0.0042
0.0032	Activity	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0015	0.0015	0.0015
	Total	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0140	0.0140	0.0140
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0064	0.0053	0.0053	0.0053	0.0066	0.0066	0.0066	0.0066	0.0066	0.0068	0.0074	0.0074
TOTALS	Activity	0.0232	0.0083	0.0083	0.0083	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0142	0.0142
	Hauling	0.0034	0.0039	0.0039	0.0039	0.0085	0.0085	0.0085	0.0085	0.0085	0.0083	0.0034	0.0034
0.1429	Total	0.033	0.017	0.017	0.017	0.036	0.036	0.036	0.0365	0.0365	0.036	0.025	0.025
YEARLY TOTALS		0.354											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0021	0.0017	0.0017	0.0017	0.0017	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0084	0.0079	0.0079	0.0079	0.0079	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0016
0.0010	Activity	0.0000	0.0000	0.0000	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127
	Hauling	0.0007	0.0007	0.0007	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0037
	Total	0.0008	0.0008	0.0008	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0180
LBSM	Equipment	0.0009	0.0009	0.0009	0.0011	0.0011	0.0013	0.0013	0.0013	0.0013	0.0013	0.0016	0.0027
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109	0.0109	0.0109	0.0109	0.0109	0.0109	0.0140
	Hauling	0.0008	0.0008	0.0008	0.0004	0.0004	0.0026	0.0026	0.0026	0.0026	0.0026	0.0027	0.0006
	Total	0.0017	0.0017	0.0017	0.0015	0.0015	0.0149	0.0149	0.0149	0.0149	0.0149	0.0153	0.0174
HB1	Equipment	0.0042	0.0042	0.0039	0.0039	0.0039	0.0039	0.0041	0.0046	0.0046	0.0047	0.0047	0.0070
0.0032	Activity	0.0083	0.0083	0.0076	0.0130	0.0130	0.0130	0.0202	0.0212	0.0212	0.0153	0.0153	0.0352
	Hauling	0.0015	0.0015	0.0018	0.0019	0.0019	0.0019	0.0018	0.0020	0.0020	0.0024	0.0024	0.0046
	Total	0.0140	0.0140	0.0133	0.0188	0.0188	0.0188	0.0260	0.0278	0.0278	0.0225	0.0225	0.0468
HB2	Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
All Areas	Equipment	0.0074	0.0070	0.0069	0.0078	0.0078	0.0070	0.0071	0.0070	0.0070	0.0072	0.0075	0.0115
TOTALS	Activity	0.0142	0.0142	0.0135	0.0316	0.0316	0.0425	0.0497	0.0448	0.0448	0.0389	0.0389	0.0619
	Hauling	0.0034	0.0033	0.0038	0.0065	0.0065	0.0085	0.0084	0.0086	0.0086	0.0090	0.0091	0.0093
0.1429	Total	0.025	0.025	0.024	0.046	0.046	0.058	0.065	0.060	0.060	0.055	0.055	0.083
YEARLY TOTALS		0.603											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0020	0.0020	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010	0.0010	0.0000	0.0000	0.0000
0.0010	Activity	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0091	0.0091	0.0082	0.0082	0.0082	0.0082	0.0082	0.0077	0.0077	0.0000	0.0000	0.0000
LBSM	Equipment	0.0024	0.0024	0.0021	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0019	Activity	0.0140	0.0140	0.0140	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0003	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0170	0.0170	0.0164	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0070	0.0070	0.0070	0.0042	0.0042	0.0042	0.0008	0.0008	0.0008	0.0009	0.0009	0.0009
0.0032	Activity	0.0352	0.0352	0.0352	0.0087	0.0087	0.0087	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0046	0.0022	0.0022	0.0022	0.0004	0.0004	0.0004	0.0002	0.0002	0.0002
	Total	0.0468	0.0468	0.0468	0.0151	0.0151	0.0151	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012
HB2	Equipment	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
All Areas	Equipment	0.0116	0.0116	0.0108	0.0066	0.0066	0.0066	0.0025	0.0021	0.0021	0.0013	0.0013	0.0013
TOTALS	Activity	0.0559	0.0559	0.0559	0.0153	0.0153	0.0153	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000
	Hauling	0.0058	0.0058	0.0053	0.0028	0.0028	0.0028	0.0008	0.0006	0.0006	0.0003	0.0003	0.0003
0.1429	Total	0.073	0.073	0.072	0.025	0.025	0.025	0.010	0.009	0.009	0.002	0.002	0.002
YEARLY TOTALS		0.326											

$PM_{2.5}$ TOTALS

Phase		Source	2049											
			1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0369	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1		Equipment	0.0015	0.0016	0.0014	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0032	Activity	0.0108	0.0108	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0007	0.0007	0.0042	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0129	0.0131	0.0254	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2		Equipment	0.0003	0.0003	0.0003	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0004	0.0004	0.0004	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0018	0.0020	0.0018	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS		Activity	0.0108	0.0108	0.0198	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0008	0.0008	0.0043	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.1429	Total	0.013	0.014	0.026	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS			0.079											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
HH	Equipment	0.0000	0.0000	0.0048	0.0048	0.0048	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0058	0.0058	0.0058	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0105	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0115	0.0061	0.0061	0.0061
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0048	0.0048	0.0093	0.0107	0.0107	0.0130	0.0191	0.0146	0.0164	0.0164
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0018	0.0009	0.0009	0.0012	0.0013	0.0004	0.0006	0.0006
	Total	0.000	0.000	0.006	0.006	0.011	0.012	0.012	0.014	0.020	0.015	0.017	0.017
YEARLY TOTALS		0.130											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0024	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0069	0.0069
	Total	0.0026	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0132	0.0132
HH	Equipment	0.0062	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0111	0.0133	0.0022	0.0022	0.0130
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0002
	Hauling	0.0001	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0033	0.0001	0.0001	0.0107
	Total	0.0063	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0143	0.0167	0.0023	0.0023	0.0239
LBSM	Equipment	0.0157	0.0170	0.0170	0.0122	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0009	0.0009	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0166	0.0180	0.0180	0.0144	0.0083	0.0083	0.0083	0.0083	0.0083	0.0089	0.0083	0.0083
HB1	Equipment	0.0057	0.0057	0.0034	0.0034	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0004	0.0004	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0058	0.0058	0.0039	0.0039	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0300	0.0461	0.0438	0.0390	0.0550	0.0550	0.0550	0.0500	0.0405	0.0300	0.0285	0.0393
TOTALS	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0002	0.0003
	Hauling	0.0012	0.0043	0.0046	0.0059	0.0069	0.0069	0.0069	0.0069	0.0063	0.0031	0.0098	0.0205
	Total	0.031	0.050	0.049	0.045	0.062	0.062	0.062	0.057	0.047	0.033	0.038	0.060
YEARLY TOTALS		0.597											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0062	0.0062	0.0062	0.0062	0.0004	0.0004	0.0075	0.0075	0.0075	0.0075	0.0075	0.0075
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077
	Total	0.0083	0.0083	0.0083	0.0083	0.0005	0.0005	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153
HB1	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0033	0.0033	0.0033
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0034	0.0034	0.0034
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0260	0.0260	0.0260	0.0260	0.0203	0.0203	0.0143	0.0081	0.0081	0.0108	0.0108	0.0108
TOTALS	Activity	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0200	0.0200	0.0200	0.0200	0.0180	0.0180	0.0149	0.0080	0.0080	0.0078	0.0078	0.0078
	Total	0.046	0.046	0.046	0.046	0.039	0.039	0.029	0.016	0.016	0.019	0.019	0.019
YEARLY TOTALS		0.381											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0075	0.0075	0.0075	0.0075	0.0075	0.0000	0.0027	0.0027	0.0093	0.0093	0.0093	0.0093
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0077	0.0077	0.0077	0.0077	0.0077	0.0000	0.0002	0.0002	0.0050	0.0050	0.0050	0.0050
	Total	0.0153	0.0153	0.0153	0.0153	0.0153	0.0000	0.0029	0.0029	0.0144	0.0144	0.0144	0.0144
HB1	Equipment	0.0033	0.0033	0.0332	0.0332	0.0332	0.0332	0.0332	0.0332	0.0332	0.0367	0.0367	0.0511
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0024	0.0024	0.0030
	Total	0.0034	0.0034	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0391	0.0391	0.0542
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0108	0.0108	0.0407	0.0407	0.0407	0.0337	0.0359	0.0359	0.0426	0.0460	0.0460	0.0605
TOTALS	Activity	0.0001	0.0001	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0078	0.0078	0.0098	0.0098	0.0098	0.0020	0.0022	0.0022	0.0070	0.0074	0.0074	0.0080
	Total	0.019	0.019	0.051	0.051	0.051	0.036	0.038	0.038	0.050	0.054	0.054	0.069
YEARLY TOTALS		0.527											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
LBSM	Equipment	0.0093	0.0093	0.0093	0.0093	0.0023	0.0023	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0144	0.0144	0.0144	0.0144	0.0024	0.0024	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
HB1	Equipment	0.0887	0.0887	0.0887	0.0873	0.0873	0.0873	0.0540	0.0540	0.0540	0.0382	0.0382	0.0382
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0047	0.0047	0.0047	0.0037	0.0037	0.0037	0.0025	0.0025	0.0025	0.0019	0.0019	0.0019
	Total	0.0935	0.0935	0.0935	0.0911	0.0911	0.0911	0.0566	0.0566	0.0566	0.0401	0.0401	0.0401
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0981	0.0989	0.0989	0.0975	0.0905	0.0905	0.0609	0.0609	0.0609	0.0451	0.0460	0.0460
TOTALS	Activity	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0001	0.0001
	Hauling	0.0097	0.0102	0.0102	0.0092	0.0043	0.0043	0.0033	0.0033	0.0033	0.0026	0.0032	0.0032
	Total	0.108	0.109	0.109	0.107	0.095	0.095	0.064	0.064	0.064	0.048	0.049	0.049
YEARLY TOTALS		0.962											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0008	0.0008	0.0008	0.0008	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0227	0.0227
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0003	0.0003
	Total	0.0013	0.0013	0.0013	0.0013	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0230	0.0230
HH	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
LBSM	Equipment	0.0061	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0063	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
HB1	Equipment	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0425	0.0425	0.0425
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0011	0.0011
	Total	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0437	0.0437	0.0437
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0475	0.0460	0.0460	0.0460	0.0601	0.0601	0.0601	0.0601	0.0601	0.0629	0.0707	0.0707
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0026	0.0030	0.0030	0.0030	0.0064	0.0064	0.0064	0.0064	0.0064	0.0062	0.0025	0.0025
	Total	0.050	0.049	0.049	0.049	0.067	0.067	0.067	0.067	0.067	0.069	0.073	0.073
YEARLY TOTALS		0.746											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0227	0.0192	0.0192	0.0192	0.0192	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0230	0.0194	0.0194	0.0194	0.0194	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0130
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0027
	Total	0.0014	0.0014	0.0014	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0157
LBSM	Equipment	0.0046	0.0046	0.0046	0.0073	0.0073	0.0087	0.0087	0.0087	0.0087	0.0087	0.0114	0.0241
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0002	0.0002	0.0019	0.0019	0.0019	0.0019	0.0019	0.0020	0.0004
	Total	0.0052	0.0052	0.0052	0.0076	0.0076	0.0106	0.0106	0.0106	0.0106	0.0106	0.0134	0.0245
HB1	Equipment	0.0425	0.0425	0.0393	0.0392	0.0392	0.0392	0.0416	0.0465	0.0465	0.0449	0.0449	0.0478
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0011	0.0011	0.0012	0.0014	0.0014	0.0014	0.0012	0.0014	0.0014	0.0017	0.0017	0.0033
	Total	0.0437	0.0437	0.0405	0.0405	0.0405	0.0405	0.0429	0.0479	0.0479	0.0466	0.0466	0.0512
HB2	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
All Areas	Equipment	0.0707	0.0672	0.0648	0.0733	0.0733	0.0614	0.0638	0.0628	0.0628	0.0612	0.0639	0.0857
TOTALS	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0025	0.0024	0.0028	0.0046	0.0046	0.0062	0.0061	0.0062	0.0062	0.0065	0.0066	0.0067
	Total	0.073	0.070	0.068	0.078	0.078	0.068	0.070	0.069	0.069	0.068	0.071	0.092
YEARLY TOTALS		0.873											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0198	0.0198	0.0136	0.0136	0.0136	0.0136	0.0136	0.0100	0.0100	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0201	0.0201	0.0138	0.0138	0.0138	0.0138	0.0138	0.0100	0.0100	0.0000	0.0000	0.0000
LBSM	Equipment	0.0213	0.0213	0.0178	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0217	0.0217	0.0180	0.0039	0.0039	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0478	0.0478	0.0478	0.0415	0.0415	0.0415	0.0041	0.0041	0.0041	0.0063	0.0063	0.0063
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0033	0.0033	0.0033	0.0016	0.0016	0.0016	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.0512	0.0512	0.0512	0.0431	0.0431	0.0431	0.0044	0.0044	0.0044	0.0064	0.0064	0.0064
HB2	Equipment	0.0008	0.0008	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0011	0.0011	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
All Areas	Equipment	0.0898	0.0898	0.0830	0.0627	0.0627	0.0627	0.0215	0.0179	0.0179	0.0101	0.0101	0.0101
TOTALS	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0042	0.0042	0.0038	0.0019	0.0019	0.0019	0.0005	0.0004	0.0004	0.0002	0.0002	0.0002
	Total	0.094	0.094	0.087	0.065	0.065	0.065	0.022	0.018	0.018	0.010	0.010	0.010
YEARLY TOTALS		0.558											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0090	0.0106	0.0071	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0029	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0094	0.0111	0.0101	0.0034	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0038	0.0038	0.0038	0.0058	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0038	0.0038	0.0038	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0127	0.0144	0.0109	0.0092	0.0092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0030	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.013	0.015	0.014	0.009	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.061											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
HH	Equipment	-	-	36	36	36	32	32	32	32	32	32	32
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	21	21	21	4	4	4	4	4	4	4
	Total	-	-	57	57	57	36	36	36	36	36	36	36
LBSM	Equipment	-	-	-	-	33	33	33	33	64	31	31	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	20	20	20	20	23	4	4	4
	Total	-	-	-	-	53	53	53	53	88	35	35	35
HB1	Equipment	0	-	-	-	-	-	-	-	-	-	13	13
	Activity	0	-	-	-	-	-	-	-	-	-	0	0
	Hauling	0	-	-	-	-	-	-	-	-	-	5	5
	Total	0	-	-	-	-	-	-	-	-	-	18	18
HB2	Equipment	0	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	0	-	-	-	-	-	-	-	-	-	-	-
	Total	0	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	0.0000	0.0000	35.5261	35.5261	68.6230	65.2397	65.2397	82.6774	114.0448	80.9478	94.3080	94.3080
TOTALS	Activity	0.0000	0.0000	0.0700	0.0700	0.1353	0.0778	0.0778	0.0989	0.1112	0.0459	0.0621	0.0621
	Hauling	-	-	21	21	41	23	23	30	33	14	18	18
	Total	-	-	57	57	110	89	89	112	147	95	113	113
YEARLY TOTALS		980.508											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	17	31	31	31	169	169	169	193	55	55	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	21	21	21	26	8	8	162	162
	Total	24	35	35	35	190	190	190	219	64	64	235	235
HH	Equipment	32	207	207	207	207	207	207	175	223	48	48	154
	Activity	0	0	0	0	0	0	0	0	0	0	0	1
	Hauling	4	79	79	79	79	79	79	76	81	5	5	251
	Total	36	287	287	287	287	287	287	251	304	53	53	406
LBSM	Equipment	136	163	163	105	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	26	26	52	49	49	49	49	49	51	49	49
	Total	156	190	190	157	122	122	122	122	122	143	122	122
HB1	Equipment	30	30	38	38	88	88	88	88	88	88	88	88
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	3	3	10	10	18	18	18	18	18	18	18	18
	Total	33	33	49	49	106	106	106	106	106	106	106	106
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	214.7423	431.4822	440.0858	381.2563	537.4699	537.4699	537.4699	529.2260	439.6324	282.8065	282.2553	388.6369
TOTALS	Activity	0.1138	0.3761	0.3989	0.4839	0.5552	0.5552	0.5552	0.5601	0.5177	0.2752	0.7731	1.5897
	Hauling	34	113	120	145	167	167	167	168	156	82	233	479
	Total	249	544	560	527	705	705	705	698	596	366	516	870
YEARLY TOTALS		7040.633											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	73	73	73	73	73	73	73	-	-	-	-	-
	Activity	1	1	1	1	1	1	1	-	-	-	-	-
	Hauling	162	162	162	162	162	162	162	-	-	-	-	-
	Total	235	235	235	235	235	235	235	-	-	-	-	-
HH	Equipment	154	154	154	154	154	154	-	-	-	-	-	-
	Activity	1	1	1	1	1	1	-	-	-	-	-	-
	Hauling	251	251	251	251	251	251	-	-	-	-	-	-
	Total	406	406	406	406	406	406	-	-	-	-	-	-
LBSM	Equipment	73	73	73	73	19	19	245	245	245	245	245	245
	Activity	0	0	0	0	0	0	1	1	1	1	1	1
	Hauling	49	49	49	49	1	1	194	194	194	194	194	194
	Total	122	122	122	122	20	20	440	440	440	440	440	440
HB1	Equipment	26	26	26	26	26	26	26	26	26	19	19	19
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	7	7	7	7	7	7	7	7	7	3	3	3
	Total	33	33	33	33	33	33	33	33	33	22	22	22
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	326.0881	326.0881	326.0881	326.0881	271.4971	271.4971	344.1041	271.2868	271.2868	264.2681	264.2681	264.2681
TOTALS	Activity	1.5540	1.5540	1.5540	1.5540	1.3961	1.3961	1.2032	0.6673	0.6673	0.6555	0.6555	0.6555
	Hauling	469	469	469	469	421	421	362	201	201	197	197	197
	Total	796	796	796	796	694	694	708	473	473	462	462	462
YEARLY TOTALS		7611.049											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	-	-	-	21	-	-	-	-	-	-
	Activity	-	-	-	-	-	0	-	-	-	-	-	-
	Hauling	-	-	-	-	-	1	-	-	-	-	-	-
	Total	-	-	-	-	-	22	-	-	-	-	-	-
LBSM	Equipment	245	245	245	245	245	-	85	85	298	298	298	298
	Activity	1	1	1	1	1	-	0	0	0	0	0	0
	Hauling	194	194	194	194	194	-	4	4	131	131	131	131
	Total	440	440	440	440	440	-	89	89	430	430	430	430
HB1	Equipment	19	19	189	189	189	189	189	189	189	227	227	318
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	3	3	57	57	57	57	57	57	57	67	67	82
	Total	22	22	246	246	246	246	246	246	246	294	294	400
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	264.2681	264.2681	434.1140	434.1140	434.1140	209.6195	273.5845	273.5845	486.7354	524.9436	524.9436	615.5820
TOTALS	Activity	0.6555	0.6555	0.8354	0.8354	0.8354	0.1933	0.2049	0.2049	0.6267	0.6604	0.6604	0.7089
	Hauling	197	197	251	251	251	58	61	61	188	198	198	213
	Total	462	462	686	686	686	268	335	335	675	724	724	829
YEARLY TOTALS		6871.611											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	-	38	38	38	38	38	38	38	38	38	38	38
	Activity	-	0	0	0	0	0	0	0	0	0	0	0
	Hauling	-	13	13	13	13	13	13	13	13	13	13	13
	Total	-	51	51	51	51	51	51	51	51	51	51	51
HH	Equipment	-	-	-	-	-	-	-	-	-	-	39	39
	Activity	-	-	-	-	-	-	-	-	-	-	0	0
	Hauling	-	-	-	-	-	-	-	-	-	-	13	13
	Total	-	-	-	-	-	-	-	-	-	-	52	52
LBSM	Equipment	298	298	298	298	66	66	180	180	180	180	180	180
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	131	131	131	131	3	3	9	9	9	9	9	9
	Total	430	430	430	430	70	70	189	189	189	189	189	189
HB1	Equipment	652	652	652	708	708	708	431	431	431	359	359	359
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	129	129	129	106	106	106	69	69	69	54	54	54
	Total	781	781	781	814	814	814	501	501	501	413	413	413
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	949.7288	987.5204	987.5204	1043.8097	812.0080	812.0080	649.4196	649.4196	649.4196	577.1820	616.0234	616.0234
TOTALS	Activity	0.8678	0.9106	0.9106	0.8337	0.4082	0.4082	0.3054	0.3054	0.3054	0.2536	0.2976	0.2976
	Hauling	260	273	273	250	122	122	91	91	91	76	89	89
	Total	1,211	1,262	1,262	1,295	935	935	741	741	741	653	705	705
YEARLY TOTALS		11185.735											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	38	38	38	38	76	76	76	76	76	76	122	122
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	108	108	108	108	108	108	14	14
	Total	51	51	51	51	184	184	184	184	184	184	136	136
HH	Equipment	39	39	39	39	39	39	39	39	39	39	39	39
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	52	52	52	52	52	52	52	52	52	52	52	52
LBSM	Equipment	180	152	152	152	152	152	152	152	152	152	152	152
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	19	19	19	19	19	19	19	19	19	19	19
	Total	189	171	171	171	171	171	171	171	171	171	171	171
HB1	Equipment	372	372	372	372	372	372	372	372	372	367	367	367
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	41	41	41	41	41	41	41	41	41	37	37	37
	Total	413	413	413	413	413	413	413	413	413	404	404	404
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	629.3893	601.1760	601.1760	601.1760	639.3924	639.3924	639.3924	639.3924	639.3924	634.0637	680.4572	680.4572
TOTALS	Activity	0.2536	0.2857	0.2857	0.2857	0.6016	0.6016	0.6016	0.6016	0.6016	0.5906	0.2795	0.2795
	Hauling	76	85	85	85	180	180	180	180	180	177	83	83
	Total	705	687	687	687	820	820	820	820	820	812	764	764
YEARLY TOTALS		9207.885											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	122	93	93	93	93	37	37	-	-	-	-	-
	Activity	0	0	0	0	0	0	0	-	-	-	-	-
	Hauling	14	10	10	10	10	2	2	-	-	-	-	-
	Total	136	102	102	102	102	39	39	-	-	-	-	-
HH	Equipment	39	39	39	60	60	60	60	60	60	60	60	117
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	74	74	74	74	74	74	74	74	79
	Total	52	52	52	134	134	134	134	134	134	134	134	195
LBSM	Equipment	152	152	152	134	134	151	151	151	151	151	174	244
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	13	13	58	58	58	58	58	61	21
	Total	171	171	171	148	148	209	209	209	209	209	236	266
HB1	Equipment	367	367	338	343	343	343	349	392	392	415	415	455
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	37	37	41	42	42	42	41	46	46	53	53	96
	Total	404	404	379	385	385	385	390	438	438	468	468	551
HB2	Equipment	-	-	38	38	38	38	38	38	38	38	38	38
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	6	6	6	6	6	6	6	6	6	6
	Total	-	-	44	44	44	44	44	44	44	44	44	44
All Areas	Equipment	680.4572	650.7595	659.5917	667.5658	667.5658	628.4277	633.9666	640.6655	640.6655	663.5838	686.6820	854.0498
TOTALS	Activity	0.2795	0.2643	0.2974	0.4876	0.4876	0.6101	0.6054	0.6157	0.6157	0.6392	0.6507	0.6754
	Hauling	83	79	89	146	146	183	181	184	184	191	195	202
	Total	764	730	749	814	814	812	816	826	826	856	882	1,057
YEARLY TOTALS		9943.198											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	139	139	83	83	83	83	83	62	62	-	-	-
	Activity	0	0	0	0	0	0	0	0	0	-	-	-
	Hauling	14	14	10	10	10	10	10	2	2	-	-	-
	Total	154	154	93	93	93	93	93	64	64	-	-	-
LBSM	Equipment	221	221	201	114	114	114	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	18	18	11	6	6	6	-	-	-	-	-	-
	Total	239	239	212	120	120	120	-	-	-	-	-	-
HB1	Equipment	455	455	455	397	397	397	135	135	135	117	117	117
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	96	96	96	49	49	49	11	11	11	7	7	7
	Total	551	551	551	446	446	446	146	146	146	124	124	124
HB2	Equipment	38	38	22	22	22	22	22	22	22	22	22	22
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	6	3	3	3	3	3	3	3	3	3	3
	Total	44	44	25	25	25	25	25	25	25	25	25	25
All Areas	Equipment	853.9169	853.9169	760.7337	615.4132	615.4132	615.4132	239.5245	218.7551	218.7551	138.5926	138.5926	138.5926
TOTALS	Activity	0.4500	0.4500	0.3993	0.2280	0.2280	0.2280	0.0801	0.0541	0.0541	0.0351	0.0351	0.0351
	Hauling	134	134	119	68	68	68	24	16	16	10	10	10
	Total	989	989	880	683	683	683	263	235	235	149	149	149
YEARLY TOTALS		6087.374											

CO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HB1	Equipment	150	162	147	100	100	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	16	17	85	5	5	-	-	-	-	-	-	-
	Total	167	180	233	105	105	-	-	-	-	-	-	-
HB2	Equipment	22	22	22	36	36	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	3	3	3	4	4	-	-	-	-	-	-	-
	Total	25	25	25	40	40	-	-	-	-	-	-	-
All Areas	Equipment	171.8779	183.7346	168.8908	136.4235	136.4235	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0651	0.0689	0.2949	0.0291	0.0291	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	19	20	89	9	9	-	-	-	-	-	-	-
	Total	191	204	258	145	145	-	-	-	-	-	-	-
YEARLY TOTALS		943.202											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
HH	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0007	0.0006	0.0006	0.0008	0.0011	0.0008	0.0009	0.0009
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0004	0.0002	0.0002	0.0003	0.0003	0.0001	0.0002	0.0002
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.009											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
FSM	Equipment	0.0002	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0015	0.0015
	Total	0.0002	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0021	0.0021
HH	Equipment	0.0003	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0015	0.0020	0.0005	0.0005	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0023
	Total	0.0003	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0022	0.0027	0.0005	0.0005	0.0036
LBSM	Equipment	0.0013	0.0015	0.0015	0.0009	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004
	Total	0.0015	0.0018	0.0018	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0012	0.0010	0.0010
HB1	Equipment	0.0003	0.0003	0.0004	0.0004	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0003	0.0003	0.0005	0.0005	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0020	0.0040	0.0040	0.0034	0.0047	0.0047	0.0047	0.0047	0.0038	0.0025	0.0024	0.0032
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0010	0.0011	0.0013	0.0015	0.0015	0.0015	0.0015	0.0014	0.0008	0.0021	0.0043
	Total	0.002	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.005	0.003	0.004	0.008
YEARLY TOTALS		0.063											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
FSM	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0006	0.0006	0.0006	0.0006	0.0001	0.0001	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0004	0.0000	0.0000	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018
	Total	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
HB1	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0027	0.0027	0.0027	0.0027	0.0022	0.0022	0.0018	0.0012	0.0012	0.0012	0.0012	0.0012
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0042	0.0042	0.0042	0.0042	0.0038	0.0038	0.0033	0.0018	0.0018	0.0018	0.0018	0.0018
	Total	0.007	0.007	0.007	0.007	0.006	0.006	0.005	0.003	0.003	0.003	0.003	0.003
YEARLY TOTALS		0.060											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0003	0.0003	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012
	Total	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000	0.0003	0.0003	0.0024	0.0024	0.0024	0.0024
HB1	Equipment	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0018	0.0018	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0007
	Total	0.0002	0.0002	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0024	0.0024	0.0031
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0012	0.0012	0.0025	0.0025	0.0025	0.0016	0.0017	0.0017	0.0026	0.0030	0.0030	0.0035
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0023	0.0023	0.0023	0.0005	0.0006	0.0006	0.0017	0.0018	0.0018	0.0019
	Total	0.003	0.003	0.005	0.005	0.005	0.002	0.002	0.002	0.004	0.005	0.005	0.005
YEARLY TOTALS		0.047											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
FSM	Equipment	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004
LBSM	Equipment	0.0012	0.0012	0.0012	0.0012	0.0002	0.0002	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0024	0.0024	0.0024	0.0024	0.0002	0.0002	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
HB1	Equipment	0.0045	0.0045	0.0045	0.0047	0.0047	0.0047	0.0029	0.0029	0.0029	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0010	0.0010	0.0010	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005
	Total	0.0057	0.0057	0.0057	0.0056	0.0056	0.0056	0.0036	0.0036	0.0036	0.0028	0.0028	0.0028
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0057	0.0059	0.0059	0.0061	0.0051	0.0051	0.0044	0.0044	0.0044	0.0038	0.0041	0.0041
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0024	0.0025	0.0025	0.0023	0.0011	0.0011	0.0008	0.0008	0.0008	0.0007	0.0008	0.0008
	Total	0.008	0.008	0.008	0.008	0.006	0.006	0.005	0.005	0.005	0.005	0.005	0.005
YEARLY TOTALS		0.076											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
FSM	Equipment	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0013	0.0013
HH	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
LBSM	Equipment	0.0012	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
HB1	Equipment	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Total	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0042	0.0042	0.0042	0.0042	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0052	0.0052
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0008	0.0008	0.0008	0.0017	0.0017	0.0017	0.0017	0.0017	0.0016	0.0008	0.0008
	Total	0.005	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006
YEARLY TOTALS		0.070											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
FSM	Equipment	0.0012	0.0009	0.0009	0.0009	0.0009	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0013	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0004	0.0004	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0018
LBSM	Equipment	0.0013	0.0013	0.0013	0.0012	0.0012	0.0014	0.0014	0.0014	0.0014	0.0014	0.0016	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0002
	Total	0.0015	0.0015	0.0015	0.0014	0.0014	0.0019	0.0019	0.0019	0.0019	0.0019	0.0022	0.0025
HB1	Equipment	0.0024	0.0024	0.0022	0.0023	0.0023	0.0023	0.0023	0.0026	0.0026	0.0028	0.0028	0.0031
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0009
	Total	0.0028	0.0028	0.0026	0.0027	0.0027	0.0027	0.0027	0.0030	0.0030	0.0033	0.0033	0.0040
HB2	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas	Equipment	0.0052	0.0049	0.0049	0.0052	0.0052	0.0048	0.0048	0.0048	0.0048	0.0050	0.0052	0.0067
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0007	0.0008	0.0013	0.0013	0.0017	0.0017	0.0017	0.0017	0.0018	0.0018	0.0019
	Total	0.006	0.006	0.006	0.007	0.007	0.006	0.006	0.006	0.006	0.007	0.007	0.009
YEARLY TOTALS		0.078											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0013	0.0013	0.0008	0.0008	0.0008	0.0008	0.0008	0.0006	0.0006	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0015	0.0015	0.0009	0.0009	0.0009	0.0009	0.0009	0.0006	0.0006	0.0000	0.0000	0.0000
LBSM	Equipment	0.0021	0.0021	0.0019	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0022	0.0022	0.0020	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0031	0.0031	0.0031	0.0026	0.0026	0.0026	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0004	0.0004	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0040	0.0040	0.0040	0.0030	0.0030	0.0030	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012
HB2	Equipment	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
All Areas	Equipment	0.0067	0.0067	0.0060	0.0046	0.0046	0.0046	0.0022	0.0020	0.0020	0.0013	0.0013	0.0013
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0011	0.0006	0.0006	0.0006	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.008	0.008	0.007	0.005	0.005	0.005	0.002	0.002	0.002	0.001	0.001	0.001
YEARLY TOTALS		0.050											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
FSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0014	0.0015	0.0013	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0015	0.0016	0.0021	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0002	0.0002	0.0002	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0016	0.0017	0.0015	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0008	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.002	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.009											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 3 HB	Alignment Section with HB Option	1/14/2041	12/31/2041	2041	252	50	40	12	1170	42	450624	4	26	10	0.003	0.325	0.012	125	0.001	0.007	0.003
Section 3 HB	Alignment Section with HB Option	1/1/2042	12/31/2042	2042	261	230	40	52	5327	189	2064642	20	119	45	0.015	1.533	0.054	594	0.006	0.034	0.013
Section 3 HB	Alignment Section with HB Option	1/1/2043	12/31/2043	2043	261	150	40	33	3446	120	1342058	13	78	29	0.009	0.991	0.035	386	0.004	0.022	0.008
Section 3 HB	Alignment Section with HB Option	1/1/2044	12/31/2044	2044	261	185	40	39	4225	145	1650701	16	96	36	0.011	1.215	0.042	475	0.005	0.028	0.010
Section 3 HB	Alignment Section with HB Option	1/1/2045	12/31/2045	2045	260	375	40	79	8527	289	3338284	33	194	73	0.023	2.444	0.083	957	0.009	0.056	0.021
Section 3 HB	Alignment Section with HB Option	1/1/2046	12/31/2046	2046	261	300	40	62	6798	228	2665625	26	155	58	0.018	1.956	0.065	767	0.008	0.045	0.017
Section 3 HB	Alignment Section with HB Option	1/1/2047	12/31/2047	2047	261	390	40	80	8811	292	3459870	34	202	75	0.023	2.535	0.084	995	0.010	0.058	0.022
Section 3 HB	Alignment Section with HB Option	1/1/2048	12/31/2048	2048	262	240	40	49	5408	177	2126373	21	124	46	0.014	1.562	0.051	614	0.006	0.036	0.013
Section 3 HB	Alignment Section with HB Option	1/1/2049	12/31/2049	2049	261	70	40	14	1576	52	619510	6	36	14	0.004	0.453	0.015	178	0.002	0.010	0.004
Section 3 HB	Alignment Section with HB Option	1/1/2050	10/31/2050	2050	216	30	40	6	675	22	265262	3	15	6	0.001	0.161	0.005	63	0.001	0.004	0.001

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	125	0.0	0.0	0.0
2042	0.0	1.5	0.1	594	0.0	0.0	0.0
2043	0.0	1.0	0.0	386	0.0	0.0	0.0
2044	0.0	1.2	0.0	475	0.0	0.0	0.0
2045	0.0	2.4	0.1	957	0.0	0.1	0.0
2046	0.0	2.0	0.1	767	0.0	0.0	0.0
2047	0.0	2.5	0.1	995	0.0	0.1	0.0
2048	0.0	1.6	0.1	614	0.0	0.0	0.0
2049	0.0	0.5	0.0	178	0.0	0.0	0.0
2050	0.0	0.2	0.0	63	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0
2052	0.0	0.0	0.0	0	0.0	0.0	0.0
2053	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/16/2041	1/17/2042	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/16/2041	1/17/2042	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/16/2041	1/17/2042	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/16/2041	1/17/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/3/2042	10/6/2042	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/3/2042	10/6/2042	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/3/2042	10/6/2042	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/3/2042	10/6/2042	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/3/2042	10/6/2042	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2042	10/6/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2042	10/6/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2042	10/6/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/3/2042	10/6/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2042	10/6/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	4/22/2042	8/20/2042	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	4/22/2042	8/20/2042	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	4/22/2042	8/20/2042	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	4/22/2042	8/20/2042	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	4/22/2042	8/20/2042	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	4/22/2042	8/20/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	4/22/2042	8/20/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	4/22/2042	8/20/2042	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	4/22/2042	8/20/2042	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/22/2042	8/20/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/21/2042	10/13/2042	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/21/2042	10/13/2042	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	7/21/2042	10/13/2042	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/21/2042	10/13/2042	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	7/21/2042	10/13/2042	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/21/2042	10/13/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/21/2042	10/13/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/21/2042	10/13/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/21/2042	10/13/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/21/2042	10/13/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/13/2042	7/13/2043	10	196	0.0093	0.0009	0.0000	0.0000	0.0002	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/13/2042	7/13/2043	10	196	0.0276	0.0440	0.0010	0.0008	0.0012	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/13/2042	7/13/2043	10	196	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/13/2042	7/13/2043	10	196	0.0179	0.0201	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/13/2042	7/13/2043	10	196	0.0191	0.0245	0.0010	0.0009	0.0009	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/13/2042	7/13/2043	10	196	0.0186	0.0035	0.0002	0.0002	0.0025	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/13/2042	7/13/2043	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/13/2042	7/13/2043	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/13/2042	7/13/2043	10	196	0.0104	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/13/2042	7/13/2043	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1279*	*0.1008*	*0.0029*	*0.0027*	*0.0062*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	1/24/2045	4/16/2046	16	320	0.0095	0.0009	0.0000	0.0000	0.0002	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/24/2045	4/16/2046	16	320	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	1/24/2045	4/16/2046	16	320	0.0156	0.0016	0.0001	0.0001	0.0003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/24/2045	4/16/2046	16	320	0.0107	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/24/2045	4/16/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0509*	*0.0043*	*0.0002*	*0.0002*	*0.0008*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	4/17/2046	5/6/2047	14	275	0.0149	0.0010	0.0000	0.0000	0.0002	7.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	4/17/2046	5/6/2047	14	275	0.0391	0.0082	0.0005	0.0005	0.0063	17.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	4/17/2046	5/6/2047	14	275	0.0391	0.0082	0.0005	0.0005	0.0063	17.7	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	4/17/2046	5/6/2047	14	275	0.0419	0.0029	0.0001	0.0001	0.0006	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	5/6/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1350*	*0.0203*	*0.0012*	*0.0011*	*0.0133*	*56*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	4/17/2046	10/24/2046	7	137	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	4/17/2046	10/24/2046	7	137	0.0251	0.0021	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	4/17/2046	10/24/2046	7	137	0.0071	0.0052	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/17/2046	10/24/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/10/2046	1/2/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	10/10/2046	1/2/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	10/10/2046	1/2/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	10/10/2046	1/2/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	10/10/2046	1/2/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2046	1/2/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2046	1/2/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2046	1/2/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/10/2046	1/2/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2046	1/2/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	10/24/2046	7/1/2047	10	179	0.0170	0.0017	0.0001	0.0001	0.0003	11.9	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	10/24/2046	7/1/2047	10	179	0.0152	0.0015	0.0001	0.0001	0.0003	8.1	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	10/24/2046	7/1/2047	10	179	0.0184	0.0042	0.0002	0.0002	0.0025	8.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	10/24/2046	7/1/2047	10	179	0.0178	0.0037	0.0002	0.0002	0.0029	8.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/24/2046	7/1/2047	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0684*	*0.0111*	*0.0006*	*0.0006*	*0.0059*	*37*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-41	Jan-42	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-41	Jan-42	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-41	Jan-42	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-41	Jan-42	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0183	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0212*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Oct-42	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Oct-42	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Oct-42	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0117*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	Aug-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-42	Aug-42	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Apr-42	Aug-42	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Apr-42	Aug-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-42	Aug-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0288	0.0000
				0.00	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0597*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Oct-42	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-42	Oct-42	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-42	Oct-42	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jul-43	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-42	Jul-43	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt		Oct-42	Jul-43	10	196			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	100	20	8.33	Oct-42	Jul-43	10	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0724	0.0000
Trucks Traveling on site	Number of Vehicles	100	Paved	10.00	Oct-42	Jul-43	10	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4634	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0462*	*0.0263*	*0.0001*	*0.5359*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-45	Apr-46	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-45	Apr-46	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-45	Apr-46	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jan-45	Apr-46	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-46	May-47	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-46	May-47	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-46	May-47	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0248	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0255*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-46	Oct-46	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-46	Oct-46	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	768	Dirt		Apr-46	Oct-46	7	137			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	64	12	5.33	Apr-46	Oct-46	7	137	0.0004	0.0002	0.0000	0.0000	0.0000	0.0468	0.0000
Trucks Traveling on site	Number of Vehicles	64	Paved	6.40	Apr-46	Oct-46	7	137	0.0003	0.0011	0.0001	0.0000	0.0000	0.2864	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0014*	*0.0228*	*0.0131*	*0.0001*	*0.3332*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-46	Jan-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-46	Jan-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-46	Jan-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-46	Jan-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-46	Jul-47	10	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Oct-46	Jul-47	10	179			0.0100	0.0059			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-46	Jul-47	10	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0100*	*0.0059*	*0.0000*	*0.0070*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
Trucks Traveling on site	Number of Vehicles	4	66	Jul-41	Jan-42	7	134	0.0026	0.0090	0.0021	0.0003	0.0003	6.3790	0.0001
				Jul-41	Jan-42	7	134							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	134							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	134							
Totals								*0.0026*	*0.0090*	*0.0021*	*0.0003*	*0.0003*	*6.3790*	*0.0001*
Utility Relocation & Site Preparation														
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Oct-42	10	197							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-42	Oct-42	10	197	0.0005	0.0011	0.0009	0.0001	0.0001	3.4135	0.0000
				Jan-42	Oct-42	10	197							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Oct-42	10	197							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4135*	*0.0000*
Shoring														
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
Trucks Traveling on site	Number of Vehicles	5	66	Apr-42	Aug-42	5	87	0.0029	0.0101	0.0024	0.0004	0.0003	7.1718	0.0001
				Apr-42	Aug-42	5	87							
Deliveries Traveling on site	Number of Vehicles	1	66	Apr-42	Aug-42	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7537	0.0000
				Apr-42	Aug-42	5	87							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Apr-42	Aug-42	5	87	0.0040	0.0141	0.0033	0.0005	0.0004	10.0405	0.0001
				Apr-42	Aug-42	5	87							
Totals								*0.0070*	*0.0245*	*0.0059*	*0.0009*	*0.0007*	*17.9660*	*0.0002*
Decking 12 weekends							*Prorated*							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Oct-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Oct-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jul-42	Oct-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Jul-42	Oct-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Oct-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Oct-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*
Excavation														
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
Trucks Traveling on site	Number of Vehicles	100	66	Oct-42	Jul-43	10	196	0.0647	0.2272	0.0534	0.0080	0.0069	161.5711	0.0015
				Oct-42	Jul-43	10	196							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jul-43	10	196							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jul-43	10	196							
Totals								*0.0647*	*0.2272*	*0.0534*	*0.0080*	*0.0069*	*161.5711*	*0.0015*

FSM hauling

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Jan-45	Apr-46	16	320							
				Jan-45	Apr-46	16	320							
				Jan-45	Apr-46	16	320							
				Jan-45	Apr-46	16	320							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	Apr-46	16	320							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-45	Apr-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	Apr-46	16	320							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Jan-45	Apr-46	16	320	0.0048	0.0181	0.0044	0.0006	0.0005	12.8895	0.0001
				Jan-45	Apr-46	16	320							
Totals								*0.0048*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8895*	*0.0001*
MEP and Architectural finish work														
				Apr-46	May-47	14	275							
				Apr-46	May-47	14	275							
				Apr-46	May-47	14	275							
				Apr-46	May-47	14	275							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	May-47	14	275							
Deliveries Traveling on site	Number of Vehicles	10	66	Apr-46	May-47	14	275	0.0010	0.0022	0.0022	0.0002	0.0001	7.4657	0.0001
				Apr-46	May-47	14	275							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-46	May-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	May-47	14	275							
Totals								*0.0010*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4657*	*0.0001*
Backfill														
				Apr-46	Oct-46	7	137							
				Apr-46	Oct-46	7	137							
				Apr-46	Oct-46	7	137							
				Apr-46	Oct-46	7	137							
Trucks Traveling on site	Number of Vehicles	64	66	Apr-46	Oct-46	7	137	0.0366	0.1413	0.0341	0.0051	0.0038	100.3642	0.0009
				Apr-46	Oct-46	7	137							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Oct-46	7	137							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-46	Oct-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Oct-46	7	137							
Totals								*0.0366*	*0.1413*	*0.0341*	*0.0051*	*0.0038*	*100.3642*	*0.0009*
Decking Removal - 12 weekends							*Prorated*							
				Oct-46	Jan-47	4	36							
				Oct-46	Jan-47	4	36							
				Oct-46	Jan-47	4	36							
				Oct-46	Jan-47	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-46	Jan-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-46	Jan-47	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Oct-46	Jan-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Oct-46	Jan-47	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-46	Jan-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-46	Jan-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Oct-46	Jul-47	10	179							
				Oct-46	Jul-47	10	179							
				Oct-46	Jul-47	10	179							
				Oct-46	Jul-47	10	179							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-46	Jul-47	10	179							
Deliveries Traveling on site	Number of Vehicles	3	66	Oct-46	Jul-47	10	179	0.0003	0.0006	0.0006	0.0001	0.0000	2.0410	0.0000
				Oct-46	Jul-47	10	179							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-46	Jul-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-46	Jul-47	10	179							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.0410*	*0.0000*

FSM hauling

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.013	0.010	0.000	0.000	0.000	5.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	5/30/2041	4	78	0.062	0.004	0.000	0.000	0.001	19.0	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.069	0.006	0.000	0.000	0.004	11.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.145*	*0.020*	*0.001*	*0.001*	*0.005*	*36*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.019	0.002	0.000	0.000	0.000	13.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.022	0.004	0.000	0.000	0.003	10.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.011	0.001	0.000	0.000	0.000	3.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.086*	*0.023*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	1/28/2042	9/15/2042	9	165	0.052	0.005	0.000	0.000	0.001	36.6	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.121	0.012	0.000	0.000	0.002	83.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	5.8	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.026	0.002	0.000	0.000	0.000	10.7	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.037	0.009	0.001	0.000	0.005	18.6	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.025	0.003	0.000	0.000	0.001	4.0	0.000
Construction Equipment Total				*18*										*0.260*	*0.031*	*0.002*	*0.001*	*0.010*	*164*	*0.001*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.021	0.002	0.000	0.000	0.001	3.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.013	0.010	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.035*	*0.012*	*0.000*	*0.000*	*0.001*	*11*	*0.000*
Decking - 12 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	8/16/2042	11/8/2042	4	60	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	8/16/2042	11/8/2042	4	60	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.020	0.002	0.000	0.000	0.000	13.8	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.058	0.093	0.002	0.002	0.002	31.2	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.004	0.000	0.000	0.001	26.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.043	0.001	0.001	0.002	13.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.040	0.052	0.002	0.002	0.002	16.7	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.039	0.007	0.000	0.000	0.005	18.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	19.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.015	0.011	0.000	0.000	0.000	7.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.022	0.002	0.000	0.000	0.000	6.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.271*	*0.213*	*0.006*	*0.006*	*0.013*	*154*	*0.001*
Disassembly of TBM and Relocate														Row 84 Modified to Reflect Two Weekends Only (6/40)						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/3/2044	6/27/2044	2	40	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.030*	*0.003*	*0.000*	*0.000*	*0.001*	*21*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/17/2045	3/18/2047	18	370	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	10/17/2045	3/18/2047	18	370	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	10/17/2045	3/18/2047	18	370	0.016	0.002	0.000	0.000	0.000	9.2	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/17/2045	3/18/2047	18	370	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	3/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/19/2047	7/20/2048	17	350	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/19/2047	7/20/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/19/2047	7/20/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/19/2047	7/20/2048	17	350	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	7/20/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.047*	*0.006*	*0.000*	*0.000*	*0.004*	*21*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	6.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	3/19/2047	12/9/2047	10	190	0.032	0.003	0.000	0.000	0.001	17.3	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	3/19/2047	12/9/2047	10	190	0.049	0.004	0.000	0.000	0.002	8.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	3/19/2047	12/9/2047	10	190	0.014	0.010	0.000	0.000	0.000	7.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/19/2047	12/9/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.095*	*0.018*	*0.001*	*0.001*	*0.003*	*39*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/25/2047	2/17/2048	4	61	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	11/25/2047	2/17/2048	4	61	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	11/25/2047	2/17/2048	4	61	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	11/25/2047	2/17/2048	4	61	0.034	0.003	0.000	0.000	0.001	19.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	11/25/2047	2/17/2048	4	61	0.081	0.007	0.000	0.000	0.005	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/25/2047	2/17/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/25/2047	2/17/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/25/2047	2/17/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/25/2047	2/17/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/25/2047	2/17/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.154*	*0.017*	*0.001*	*0.001*	*0.006*	*57*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	12/9/2047	9/14/2048	10	201	0.029	0.003	0.000	0.000	0.001	20.0	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	12/9/2047	9/14/2048	10	201	0.026	0.003	0.000	0.000	0.000	13.7	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	12/9/2047	9/14/2048	10	201	0.031	0.007	0.000	0.000	0.004	14.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	12/9/2047	9/14/2048	10	201	0.030	0.006	0.000	0.000	0.005	13.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/9/2047	9/14/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.115*	*0.019*	*0.001*	*0.001*	*0.010*	*62*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	May-41	4	78			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Feb-41	May-41	4	78			0.0102	0.0077			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Feb-41	May-41	4	78			0.0018	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Feb-41	May-41	4	78	0.0001	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-41	May-41	4	78	0.0001	0.0002	0.0000	0.0000	0.0000	0.0607	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0120*	*0.0080*	*0.0000*	*0.0700*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Jul-42	15	304			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Jul-42	15	304			0.0227	0.0134			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Jul-42	15	304			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0227*	*0.0134*	*0.0000*	*0.0125*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Sep-42	9	165			0.0206	0.0121			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Jan-42	Sep-42	9	165			0.0026	0.0004			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0136	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Jan-42	Sep-42	9	165	0.0001	0.0003	0.0001	0.0000	0.0000	0.0867	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0106	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0190	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Jan-42	Sep-42	9	165	0.0001	0.0005	0.0000	0.0000	0.0000	0.1214	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0233*	*0.0125*	*0.0001*	*0.2515*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-42	Nov-42	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-42	Jun-43	8	166			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-42	Jun-43	8	166			0.0465	0.0274			
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt		Nov-42	Jun-43	8	166			0.0033	0.0005			
Truck Loading on site - idling	Number of Vehicles	147	20	12.25	Nov-42	Jun-43	8	166	0.0009	0.0006	0.0000	0.0000	0.0001	0.1127	0.0000
Trucks Traveling on site	Number of Vehicles	147	Paved	14.70	Nov-42	Jun-43	8	166	0.0008	0.0028	0.0001	0.0000	0.0001	0.7212	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0033*	*0.0500*	*0.0280*	*0.0002*	*0.8340*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Jun-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0028*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-45	Mar-47	18	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-45	Mar-47	18	370			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-45	Mar-47	18	370			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Oct-45	Mar-47	18	370	0.0000	0.0001	0.0000	0.0000	0.0000	0.0378	0.0000
				0.00	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0440*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Jul-48	17	350			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-47	Jul-48	17	350			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-47	Jul-48	17	350			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0261*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Dec-47	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-47	Dec-47	10	190			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Mar-47	Dec-47	10	190			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Mar-47	Dec-47	10	190	0.0002	0.0002	0.0000	0.0000	0.0000	0.0314	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Mar-47	Dec-47	10	190	0.0002	0.0007	0.0000	0.0000	0.0000	0.1901	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0219*	*0.0127*	*0.0000*	*0.2215*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Feb-48	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-47	Feb-48	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Feb-48	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Feb-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-47	Sep-48	10	201			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Dec-47	Sep-48	10	201			0.0113	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-47	Sep-48	10	201			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0113*	*0.0066*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
Trucks Traveling on site	Number of Vehicles	13	66	Feb-41	May-41	4	78	0.0087	0.0297	0.0069	0.0010	0.0009	21.1186	0.0002
				Feb-41	May-41	4	78							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Totals								*0.0087*	*0.0297*	*0.0069*	*0.0010*	*0.0009*	*21.1186*	*0.0002*
Utility Relocation & Site Preparation														
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
Trucks Traveling on site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Deliveries Traveling on site	Number of Vehicles	4	66	May-41	Jul-42	15	304	0.0005	0.0012	0.0009	0.0001	0.0001	3.6554	0.0000
				May-41	Jul-42	15	304							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.6554*	*0.0000*
Shoring														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling on site	Number of Vehicles	20	66	Jan-42	Sep-42	9	165	0.0121	0.0425	0.0100	0.0015	0.0013	30.2259	0.0003
				Jan-42	Sep-42	9	165							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-42	Sep-42	9	165	0.0004	0.0010	0.0008	0.0001	0.0001	3.1767	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling on site	Number of Vehicles	28	66	Jan-42	Sep-42	9	165	0.0169	0.0595	0.0140	0.0021	0.0018	42.3162	0.0004
				Jan-42	Sep-42	9	165							
Totals								*0.0295*	*0.1031*	*0.0248*	*0.0037*	*0.0032*	*75.7188*	*0.0007*
Shoring Cont.														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends							*Prorated*							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Aug-42	Nov-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Aug-42	Nov-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

HH hauling

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
Trucks Traveling on site	Number of Vehicles	147	66	Nov-42	Jun-43	8	166	0.1006	0.3536	0.0831	0.0124	0.0107	251.4450	0.0023
				Nov-42	Jun-43	8	166							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Totals								*0.1006*	*0.3536*	*0.0831*	*0.0124*	*0.0107*	*251.4450*	*0.0023*
Disassembly of TBM and Relocate														
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
Trucks Traveling on site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Deliveries Traveling on site	Number of Vehicles	1	66	May-44	Jun-44	2	40	0.0001	0.0002	0.0002	0.0000	0.0000	0.8065	0.0000
				May-44	Jun-44	2	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Totals								*0.0001*	*0.0002*	*0.0002*	*0.0000*	*0.0000*	*0.8065*	*0.0000*
Cast-in-place box structure														
				Oct-45	Mar-47	18	370							
				Oct-45	Mar-47	18	370							
				Oct-45	Mar-47	18	370							
				Oct-45	Mar-47	18	370							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-45	Mar-47	18	370							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-45	Mar-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-45	Mar-47	18	370							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Oct-45	Mar-47	18	370	0.0049	0.0186	0.0045	0.0007	0.0005	13.2476	0.0001
				Oct-45	Mar-47	18	370							
Totals								*0.0049*	*0.0186*	*0.0045*	*0.0007*	*0.0005*	*13.2476*	*0.0001*
MEP and Architectural finish work														
				Mar-47	Jul-48	17	350							
				Mar-47	Jul-48	17	350							
				Mar-47	Jul-48	17	350							
				Mar-47	Jul-48	17	350							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jul-48	17	350							
Deliveries Traveling on site	Number of Vehicles	10	66	Mar-47	Jul-48	17	350	0.0010	0.0022	0.0023	0.0002	0.0001	7.6312	0.0001
				Mar-47	Jul-48	17	350							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Jul-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jul-48	17	350							
Totals								*0.0010*	*0.0022*	*0.0023*	*0.0002*	*0.0001*	*7.6312*	*0.0001*
Backfill														
				Mar-47	Dec-47	10	190							
				Mar-47	Dec-47	10	190							
				Mar-47	Dec-47	10	190							
				Mar-47	Dec-47	10	190							
Trucks Traveling on site	Number of Vehicles	44	66	Mar-47	Dec-47	10	190	0.0237	0.0939	0.0227	0.0034	0.0025	66.6868	0.0006
				Mar-47	Dec-47	10	190							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Dec-47	10	190							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Dec-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Dec-47	10	190							
Totals								*0.0237*	*0.0939*	*0.0227*	*0.0034*	*0.0025*	*66.6868*	*0.0006*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*Prorated*							
				Nov-47	Feb-48	4	36							
				Nov-47	Feb-48	4	36							
				Nov-47	Feb-48	4	36							
				Nov-47	Feb-48	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Feb-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Feb-48	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Nov-47	Feb-48	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Nov-47	Feb-48	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Feb-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Feb-48	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Dec-47	Sep-48	10	201							
				Dec-47	Sep-48	10	201							
				Dec-47	Sep-48	10	201							
				Dec-47	Sep-48	10	201							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Sep-48	10	201							
Deliveries Traveling on site	Number of Vehicles	3	66	Dec-47	Sep-48	10	201	0.0003	0.0007	0.0007	0.0001	0.0000	2.2351	0.0000
				Dec-47	Sep-48	10	201							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-47	Sep-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Sep-48	10	201							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2351*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	4/9/2041	9/6/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/3/2041	3/3/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.0001
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.0001
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.0000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/1/2042	3/22/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.0001
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/1/2042	3/22/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	4/7/2043	6/1/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	4/7/2043	6/1/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/7/2043	6/1/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	8/23/2044	4/17/2045	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	8/23/2044	4/17/2045	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	8/23/2044	4/17/2045	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland-Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	8/23/2044	4/17/2045	9	170	0.078	0.114	0.003	0.002	0.003	32.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	8/23/2044	4/17/2045	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	8/23/2044	4/17/2045	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/23/2044	4/17/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.136*	*0.131*	*0.003*	*0.003*	*0.005*	*114*	*0.001*
TBM Reassembly														*Row 120 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	6/28/2044	8/22/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/28/2044	8/22/2044	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	8/22/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	6/2/2043	5/2/2044	12	240	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	6/2/2043	5/2/2044	12	240	0.053	0.004	0.000	0.000	0.001	16.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	6/2/2043	5/2/2044	12	240	0.039	0.004	0.000	0.000	0.001	21.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	3.5	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	56.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.111*	*0.010*	*0.000*	*0.000*	*0.002*	*125*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	1.2	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	58.3	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	6/2/2043	5/2/2044	12	240	0.083	0.120	0.003	0.003	0.003	34.1	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	6/2/2043	5/2/2044	12	240	0.020	0.014	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	6/2/2043	5/2/2044	12	240	0.041	0.004	0.000	0.000	0.001	23.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2043	5/2/2044	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.144*	*0.139*	*0.003*	*0.003*	*0.006*	*121*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/28/2044	1/8/2046	20	400	0.004	0.000	0.000	0.000	0.000	2.7	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	6/28/2044	1/8/2046	20	400	0.007	0.001	0.000	0.000	0.000	3.4	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	6/28/2044	1/8/2046	20	400	0.020	0.026	0.001	0.001	0.001	9.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	4.7	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	28.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	6/28/2044	1/8/2046	20	400	0.003	0.003	0.000	0.000	0.000	1.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	6/28/2044	1/8/2046	20	400	0.010	0.007	0.000	0.000	0.001	1.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Construction Equipment Total				*21*										*0.044*	*0.037*	*0.001*	*0.001*	*0.002*	*52*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	14.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	1/8/2046	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/13/2045	6/22/2048	37	790	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/13/2045	6/22/2048	37	790	0.023	0.002	0.000	0.000	0.000	6.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/13/2045	6/22/2048	37	790	0.177	0.018	0.001	0.001	0.003	101.8	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	6/22/2048	37	790	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.204*	*0.020*	*0.001*	*0.001*	*0.004*	*114*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	1/5/2046	3/4/2047	15	302	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/5/2046	3/4/2047	15	302	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	1/5/2046	3/4/2047	15	302	0.016	0.002	0.000	0.000	0.000	9.0	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/5/2046	3/4/2047	15	302	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/5/2046	3/4/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/5/2047	2/3/2048	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/5/2047	2/3/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/5/2047	2/3/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/5/2047	2/3/2048	12	240	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	2/3/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	5/28/2047	11/4/2047	7	115	0.014	0.001	0.000	0.000	0.000	7.5	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	5/28/2047	11/4/2047	7	115	0.021	0.002	0.000	0.000	0.001	3.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	5/28/2047	11/4/2047	7	115	0.006	0.004	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2047	11/4/2047	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.041*	*0.008*	*0.000*	*0.000*	*0.001*	*17*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/21/2047	12/9/2047	3	36	0.006	0.001	0.000	0.000	0.000	4.5	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	10/21/2047	12/9/2047	3	36	0.007	0.001	0.000	0.000	0.000	4.7	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	10/21/2047	12/9/2047	3	36	0.008	0.006	0.000	0.000	0.000	1.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	10/21/2047	12/9/2047	3	36	0.013	0.001	0.000	0.000	0.000	7.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	10/21/2047	12/9/2047	3	36	0.032	0.003	0.000	0.000	0.002	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/21/2047	12/9/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/21/2047	12/9/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/21/2047	12/9/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/21/2047	12/9/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/21/2047	12/9/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.066*	*0.011*	*0.000*	*0.000*	*0.003*	*23*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	11/4/2047	3/30/2048	5	106	0.040	0.004	0.000	0.000	0.001	28.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	11/4/2047	3/30/2048	5	106	0.036	0.004	0.000	0.000	0.001	19.3	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	11/4/2047	3/30/2048	5	106	0.044	0.010	0.001	0.001	0.006	20.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/4/2047	3/30/2048	5	106	0.042	0.009	0.001	0.001	0.007	19.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2047	3/30/2048	5	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.162*	*0.026*	*0.001*	*0.001*	*0.014*	*87*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Sep-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-41	Sep-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Apr-41	Sep-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Apr-41	Sep-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-41	Sep-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-41	Apr-42	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-41	Apr-42	9	178			0.0222	0.0131			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-41	Apr-42	9	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0222*	*0.0131*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Mar-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Mar-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-41	Mar-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Mar-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Apr-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Mar-42	Apr-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Mar-42	Apr-43	14	276			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	30	20	2.50	Mar-42	Apr-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0219	0.0000
Trucks Traveling on site	Number of Vehicles	30	Paved	3.00	Mar-42	Apr-43	14	276	0.0001	0.0005	0.0000	0.0000	0.0000	0.1398	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0449*	*0.0262*	*0.0000*	*0.1617*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Jun-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Jun-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Jun-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Apr-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Aug-44	Apr-45	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt		Aug-44	Apr-45	9	170			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	75	20	6.25	Aug-44	Apr-45	9	170	0.0004	0.0003	0.0000	0.0000	0.0000	0.0526	0.0000
Trucks Traveling on site	Number of Vehicles	75	Paved	7.50	Aug-44	Apr-45	9	170	0.0003	0.0013	0.0001	0.0000	0.0000	0.3286	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0431	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0016*	*0.0148*	*0.0081*	*0.0001*	*0.4254*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Apr-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-44	Apr-45	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-44	Apr-45	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Aug-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-44	Aug-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-44	Aug-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0036	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0037*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-43	May-44	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jun-43	May-44	12	240			0.0140	0.0083			
Truck Loading Dust	Tons of material being loaded per day	2,200	Dirt		Jun-43	May-44	12	240			0.0024	0.0004			
Truck Loading on site - idling	Number of Vehicles	110	20	9.17	Jun-43	May-44	12	240	0.0006	0.0004	0.0000	0.0000	0.0001	0.0814	0.0000
Trucks Traveling on site	Number of Vehicles	110	Paved	11.00	Jun-43	May-44	12	240	0.0005	0.0020	0.0001	0.0000	0.0001	0.5149	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0473	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0012*	*0.0024*	*0.0165*	*0.0086*	*0.0001*	*0.6449*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-43	May-44	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-43	May-44	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-43	May-44	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Jan-46	20	400			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Jun-44	Jan-46	20	400			0.0252	0.0149			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Jun-44	Jan-46	20	400			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
				0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0252*	*0.0149*	*0.0000*	*0.0108*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Jan-46	20	400			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-44	Jan-46	20	400			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-44	Jan-46	20	400			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Jun-48	37	790			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-45	Jun-48	37	790			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Jun-48	37	790			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0195	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0200*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-46	Mar-47	15	302			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-46	Mar-47	15	302			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-46	Mar-47	15	302			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jan-46	Mar-47	15	302	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Feb-48	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-47	Feb-48	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-47	Feb-48	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-47	Nov-47	7	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-47	Nov-47	7	115			0.0184	0.0109			
Truck Loading Dust	Tons of material being loaded per day	408	Dirt		May-47	Nov-47	7	115			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	34	12	2.83	May-47	Nov-47	7	115	0.0002	0.0001	0.0000	0.0000	0.0000	0.0210	0.0000
Trucks Traveling on site	Number of Vehicles	34	Paved	3.40	May-47	Nov-47	7	115	0.0001	0.0005	0.0000	0.0000	0.0000	0.1270	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0188*	*0.0109*	*0.0000*	*0.1480*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Dec-47	3	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-47	Dec-47	3	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-47	Dec-47	3	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0115*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Mar-48	5	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-47	Mar-48	5	106			0.0238	0.0140			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Mar-48	5	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0157	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0238*	*0.0140*	*0.0000*	*0.0161*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
Trucks Traveling on site	Number of Vehicles	13	66	Apr-41	Sep-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Apr-41	Sep-41	6	109							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Deliveries Traveling on site	Number of Vehicles	4	66	Aug-41	Apr-42	9	178	0.0005	0.0012	0.0009	0.0001	0.0001	3.5673	0.0000
				Aug-41	Apr-42	9	178							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5673*	*0.0000*
Shoring														
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
Trucks Traveling on site	Number of Vehicles	5	66	Dec-41	Mar-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Dec-41	Mar-42	4	65							
Deliveries Traveling on site	Number of Vehicles	1	66	Dec-41	Mar-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Dec-41	Mar-42	4	65							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Dec-41	Mar-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Dec-41	Mar-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*Prorated*							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Feb-42	Mar-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Feb-42	Mar-42	2	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
Trucks Traveling on site	Number of Vehicles	30	66	Mar-42	Apr-43	14	276	0.0195	0.0686	0.0161	0.0024	0.0021	48.7540	0.0004
				Mar-42	Apr-43	14	276							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Totals								*0.0195*	*0.0686*	*0.0161*	*0.0024*	*0.0021*	*48.7540*	*0.0004*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling on site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Apr-43	Jun-43	3	40							
				Apr-43	Jun-43	3	40							
				Apr-43	Jun-43	3	40							
				Apr-43	Jun-43	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Jun-43	3	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Apr-43	Jun-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Apr-43	Jun-43	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-43	Jun-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Jun-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/Highland														
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
Trucks Traveling on site	Number of Vehicles	75	66	Aug-44	Apr-45	9	170	0.0438	0.1616	0.0385	0.0057	0.0046	114.8640	0.0010
				Aug-44	Apr-45	9	170							
Deliveries Traveling on site	Number of Vehicles	17	66	Aug-44	Apr-45	9	170	0.0017	0.0040	0.0036	0.0004	0.0002	12.9493	0.0001
				Aug-44	Apr-45	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Apr-45	9	170							
Totals								*0.0456*	*0.1656*	*0.0421*	*0.0061*	*0.0049*	*127.8133*	*0.0012*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH); Bore tunnel tail tracks Hollywood/														
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
				Aug-44	Apr-45	9	170							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Apr-45	9	170							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Apr-45	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-44	Apr-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	Apr-45	9	170							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				Jun-44	Aug-44	3	40							
				Jun-44	Aug-44	3	40							
				Jun-44	Aug-44	3	40							
				Jun-44	Aug-44	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Aug-44	3	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Jun-44	Aug-44	3	40	0.0001	0.0003	0.0003	0.0000	0.0000	1.0754	0.0000
				Jun-44	Aug-44	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-44	Aug-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Aug-44	3	40							
Totals								*0.0001*	*0.0003*	*0.0003*	*0.0000*	*0.0000*	*1.0754*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM)														
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
Trucks Traveling on site	Number of Vehicles	110	66	Jun-43	May-44	12	240	0.0702	0.2529	0.0599	0.0089	0.0075	179.7454	0.0016
				Jun-43	May-44	12	240							
Deliveries Traveling on site	Number of Vehicles	17	66	Jun-43	May-44	12	240	0.0019	0.0045	0.0038	0.0004	0.0003	14.1901	0.0001
				Jun-43	May-44	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	May-44	12	240							
Totals								*0.0721*	*0.2574*	*0.0637*	*0.0093*	*0.0077*	*193.9355*	*0.0018*
Bore tunnels from La Brea/Santa Monica (LBSM) to San Vicente/Santa Monica (SVSM) - Continued														
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
				Jun-43	May-44	12	240							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	May-44	12	240							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	May-44	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-43	May-44	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	May-44	12	240							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
Trucks Traveling on site	Number of Vehicles	1	66	Jun-44	Jan-46	20	400	0.0006	0.0023	0.0005	0.0001	0.0001	1.6216	0.0000
				Jun-44	Jan-46	20	400							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jan-46	20	400							
Cement Trucks Traveling on site	Number of Vehicles	1	66	Jun-44	Jan-46	20	400	0.0006	0.0023	0.0005	0.0001	0.0001	1.6216	0.0000
				Jun-44	Jan-46	20	400							
Totals								*0.0012*	*0.0046*	*0.0011*	*0.0002*	*0.0001*	*3.2432*	*0.0000*
Crosspassage - Continued														
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
				Jun-44	Jan-46	20	400							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jan-46	20	400							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jan-46	20	400							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-44	Jan-46	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Jan-46	20	400							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-45	Jun-48	37	790							
				Jun-45	Jun-48	37	790							
				Jun-45	Jun-48	37	790							
				Jun-45	Jun-48	37	790							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Jun-48	37	790							
Deliveries Traveling on site	Number of Vehicles	7	66	Jun-45	Jun-48	37	790	0.0008	0.0018	0.0017	0.0002	0.0001	5.8424	0.0001
				Jun-45	Jun-48	37	790							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-45	Jun-48	37	790	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Jun-48	37	790							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.8424*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Jan-46	Mar-47	15	302							
				Jan-46	Mar-47	15	302							
				Jan-46	Mar-47	15	302							
				Jan-46	Mar-47	15	302							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-46	Mar-47	15	302							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-46	Mar-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-46	Mar-47	15	302							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Jan-46	Mar-47	15	302	0.0047	0.0182	0.0044	0.0007	0.0005	12.9057	0.0001
				Jan-46	Mar-47	15	302							
Totals								*0.0047*	*0.0182*	*0.0044*	*0.0007*	*0.0005*	*12.9057*	*0.0001*
MEP and Architectural finish work														
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Feb-48	12	240							
Deliveries Traveling on site	Number of Vehicles	10	66	Mar-47	Feb-48	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Mar-47	Feb-48	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Feb-48	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				May-47	Nov-47	7	115							
				May-47	Nov-47	7	115							
				May-47	Nov-47	7	115							
				May-47	Nov-47	7	115							
Trucks Traveling on site	Number of Vehicles	34	66	May-47	Nov-47	7	115	0.0159	0.0628	0.0152	0.0023	0.0017	44.5566	0.0004
				May-47	Nov-47	7	115							
Deliveries Traveling on site	Number of Vehicles	0	66	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Nov-47	7	115							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-47	Nov-47	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Nov-47	7	115							
Totals								*0.0159*	*0.0628*	*0.0152*	*0.0023*	*0.0017*	*44.5566*	*0.0004*
Decking Removal - 7 weekends							*Prorated*							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-47	Dec-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Dec-47	3	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Oct-47	Dec-47	3	21	0.0004	0.0010	0.0010	0.0001	0.0001	3.3730	0.0000
				Oct-47	Dec-47	3	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-47	Dec-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Dec-47	3	21							
Totals								*0.0004*	*0.0010*	*0.0010*	*0.0001*	*0.0001*	*3.3730*	*0.0000*
Surface Restoration														
				Nov-47	Mar-48	5	106							
				Nov-47	Mar-48	5	106							
				Nov-47	Mar-48	5	106							
				Nov-47	Mar-48	5	106							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	106							
Deliveries Traveling on site	Number of Vehicles	6	66	Nov-47	Mar-48	5	106	0.0006	0.0014	0.0014	0.0001	0.0001	4.7148	0.0000
				Nov-47	Mar-48	5	106							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	106							
Totals								*0.0006*	*0.0014*	*0.0014*	*0.0001*	*0.0001*	*4.7148*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	10/8/2041	12/7/2041	3	44	0.005	0.004	0.000	0.000	0.000	2.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	10/8/2041	12/7/2041	3	44	0.023	0.002	0.000	0.000	0.000	7.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	10/8/2041	12/7/2041	3	44	0.026	0.002	0.000	0.000	0.001	4.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	12/7/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.054*	*0.007*	*0.000*	*0.000*	*0.002*	*13*	*0.000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/8/2041	2/24/2042	3	56	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	12/8/2041	2/24/2042	3	56	0.016	0.013	0.000	0.000	0.001	2.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	12/8/2041	2/24/2042	3	56	0.020	0.004	0.000	0.000	0.003	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2041	2/24/2042	3	56	0.010	0.001	0.000	0.000	0.000	3.0	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	12/8/2041	2/24/2042	3	56	0.017	0.001	0.000	0.000	0.001	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2041	2/24/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2041	2/24/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2041	2/24/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2041	2/24/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2041	2/24/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.079*	*0.021*	*0.001*	*0.001*	*0.006*	*30*	*0.000*
Shoring - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	2/25/2042	4/7/2042	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	2/25/2042	4/7/2042	3	30	0.038	0.004	0.000	0.000	0.001	14.8	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	2/25/2042	4/7/2042	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	2/25/2042	4/7/2042	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	2/25/2042	4/7/2042	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	2/25/2042	4/7/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	2/25/2042	4/7/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	2/25/2042	4/7/2042	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-100	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/25/2042	4/7/2042	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2042	4/7/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.091*	*0.013*	*0.001*	*0.000*	*0.003*	*38*	*0.000*
Excavation - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/8/2042	12/7/2042	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	4/8/2042	12/7/2042	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	4/8/2042	12/7/2042	9	174	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	4/8/2042	12/7/2042	9	174	0.131	0.109	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/8/2042	12/7/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*11*										*0.247*	*0.162*	*0.002*	*0.002*	*0.014*	*88*	*0.001*
Cast-in-place station box structure - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/7/2042	9/18/2043	10	205	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/7/2042	9/18/2043	10	205	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/7/2042	9/18/2043	10	205	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/7/2042	9/18/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.037*	*0.003*	*0.000*	*0.000*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Miner Rd)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/18/2043	2/22/2044	6	112	0.014	0.001	0.000	0.000	0.000	7.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/18/2043	2/22/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/18/2043	2/22/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/18/2043	2/22/2044	6	112	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2043	2/22/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.043*	*0.006*	*0.000*	*0.000*	*0.003*	*19*	*0.000*
Shoring - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/27/2044	11/7/2044	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	9/27/2044	11/7/2044	3	30	0.038	0.004	0.000	0.000	0.001	14.8	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/27/2044	11/7/2044	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/27/2044	11/7/2044	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.091*	*0.013*	*0.001*	*0.000*	*0.003*	*38*	*0.000*
Decking -3 Weekends (Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/8/2044	11/29/2044	1	16	0.008	0.001	0.000	0.000	0.000	5.8	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	11/8/2044	11/29/2044	1	16	0.003	0.002	0.000	0.000	0.000	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	11/8/2044	11/29/2044	1	16	0.019	0.002	0.000	0.000	0.000	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	11/8/2044	11/29/2044	1	16	0.006	0.000	0.000	0.000	0.000	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.036*	*0.005*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
Excavation - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/30/2044	9/22/2045	11	213	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	11/30/2044	9/22/2045	11	213	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	11/30/2044	9/22/2045	11	213	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	11/30/2044	9/22/2045	11	213	0.131	0.110	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.266*	*0.165*	*0.002*	*0.002*	*0.016*	*97*	*0.001*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	9/22/2045	9/17/2046	13	257	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	9/22/2045	9/17/2046	13	257	0.015	0.002	0.000	0.000	0.000	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	4.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/22/2045	9/17/2046	13	257	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.035*	*0.003*	*0.000*	*0.000*	*0.001*	*25*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/17/2046	3/25/2047	7	136	0.015	0.001	0.000	0.000	0.000	7.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.002	0.000	0.000	0.002	4.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.002	0.000	0.000	0.002	4.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.044*	*0.006*	*0.000*	*0.000*	*0.003*	*20*	*0.000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	5.4	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.028	0.003	0.000	0.000	0.001	14.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.042	0.004	0.000	0.000	0.002	7.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.081*	*0.015*	*0.001*	*0.001*	*0.003*	*33*	*0.000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/13/2049	2/3/2049	2	16	0.004	0.000	0.000	0.000	0.000	2.887	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	1/13/2049	2/3/2049	2	16	0.005	0.004	0.000	0.000	0.000	0.854	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	1/13/2049	2/3/2049	2	16	0.009	0.001	0.000	0.000	0.000	4.930	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	1/13/2049	2/3/2049	2	16	0.020	0.002	0.000	0.000	0.001	3.185	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.038*	*0.007*	*0.000*	*0.000*	*0.002*	*12*	*0.000*
Conventional Tunneling - Miner Rd to Franklin Pl																				
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	2/23/2044	3/6/2045	14	270	0.104	0.021	0.001	0.001	0.016	48.3	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	2/23/2044	3/6/2045	14	270	0.163	0.136	0.001	0.001	0.014	26.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	2/23/2044	3/6/2045	14	270	0.200	0.020	0.001	0.001	0.004	78.5	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/23/2044	3/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.467*	*0.177*	*0.003*	*0.003*	*0.033*	*189*	*0.001*
Conventional Tunneling - Station to North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.017	0.002	0.000	0.000	0.000	12.2	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	2/5/2047	7/8/2047	6	110	0.049	0.003	0.000	0.000	0.001	14.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.3	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	2/5/2047	7/8/2047	6	110	0.035	0.004	0.000	0.000	0.001	19.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	51.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Construction Equipment Total				*13*										*0.102*	*0.009*	*0.000*	*0.000*	*0.002*	*114*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Conventional Tunneling - Station to North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.019	0.013	0.000	0.000	0.002	2.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/5/2047	7/8/2047	6	110	0.038	0.004	0.000	0.000	0.001	21.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	28.2	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.099	0.020	0.001	0.001	0.015	45.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	2/5/2047	7/8/2047	6	110	0.155	0.130	0.001	0.001	0.013	25.5	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.190	0.019	0.001	0.001	0.004	74.6	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.501*	*0.185*	*0.003*	*0.003*	*0.034*	*204*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/13/2045	6/23/2045	4	75	0.018	0.002	0.000	0.000	0.000	12.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/13/2045	6/23/2045	4	75	0.036	0.004	0.000	0.000	0.001	19.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	52.5	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	28.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	3/13/2045	6/23/2045	4	75	0.101	0.020	0.001	0.001	0.015	46.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	3/13/2045	6/23/2045	4	75	0.158	0.133	0.001	0.001	0.013	26.1	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	3/13/2045	6/23/2045	4	75	0.195	0.019	0.001	0.001	0.004	76.3	0.001
Construction Equipment Total				*17*										*0.508*	*0.178*	*0.003*	*0.003*	*0.033*	*271*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/13/2045	6/23/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*5*	*0.000*
SEM Construction - South Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	12/27/2044	12/11/2045	13	250	0.051	0.004	0.000	0.000	0.001	15.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	12/27/2044	12/11/2045	13	250	0.037	0.004	0.000	0.000	0.001	20.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	53.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.107*	*0.009*	*0.000*	*0.000*	*0.002*	*120*	*0.000*
SEM Construction - South Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	12/27/2044	12/11/2045	13	250	0.040	0.004	0.000	0.000	0.001	22.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	29.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.104	0.021	0.001	0.001	0.016	48.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	12/27/2044	12/11/2045	13	250	0.163	0.136	0.001	0.001	0.014	26.7	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.200	0.020	0.001	0.001	0.004	78.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.525*	*0.194*	*0.004*	*0.003*	*0.036*	*214*	*0.002*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
SEM Construction - Station Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	12/12/2045	2/4/2047	15	300	0.053	0.004	0.000	0.000	0.001	16.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	12/12/2045	2/4/2047	15	300	0.039	0.004	0.000	0.000	0.001	21.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	3.5	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	56.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.111*	*0.010*	*0.000*	*0.000*	*0.002*	*125*	*0.000*
SEM Construction - Station Structure - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.020	0.014	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	12/12/2045	2/4/2047	15	300	0.041	0.004	0.000	0.000	0.001	23.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	30.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.108	0.021	0.001	0.001	0.016	50.0	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	12/12/2045	2/4/2047	15	300	0.169	0.142	0.001	0.001	0.014	27.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.207	0.021	0.001	0.001	0.004	81.4	0.001
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.546*	*0.202*	*0.004*	*0.004*	*0.037*	*223*	*0.002*
SEM Construction - North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.020	0.002	0.000	0.000	0.000	13.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	7/9/2047	6/22/2048	12	250	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	7/9/2047	6/22/2048	12	250	0.040	0.004	0.000	0.000	0.001	22.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	3.6	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	58.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	4.6	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Construction Equipment Total				*13*										*0.116*	*0.010*	*0.000*	*0.000*	*0.002*	*130*	*0.000*
SEM Construction - North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.021	0.015	0.000	0.000	0.002	2.9	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/9/2047	6/22/2048	12	250	0.043	0.004	0.000	0.000	0.001	24.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	32.1	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.112	0.022	0.001	0.001	0.017	52.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	7/9/2047	6/22/2048	12	250	0.176	0.147	0.001	0.001	0.015	29.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.216	0.022	0.001	0.001	0.004	84.8	0.001
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.569*	*0.210*	*0.004*	*0.004*	*0.039*	*232*	*0.002*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	11/7/2044	3/6/2045	5	86	0.003	0.000	0.000	0.000	0.000	2.3	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	11/7/2044	3/6/2045	5	86	0.006	0.001	0.000	0.000	0.000	2.9	0.000
Excavator-100	Tier 2	90	Diesel	2	0.34	0.25	8	2	4	11/7/2044	3/6/2045	5	86	0.009	0.011	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	2.0	0.000
Ventilation Plant-300	Fleet Average	200	Electric	1	0.34	1.00	24	24	24	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	12.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.05	8	0	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.42	0.20	8	2	2	11/7/2044	3/6/2045	5	86	0.001	0.001	0.000	0.000	0.000	0.5	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	11/7/2044	3/6/2045	5	86	0.009	0.006	0.000	0.000	0.001	1.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	0.20	10	2	2	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	10	3	3	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Construction Equipment Total				*12*										*0.028*	*0.020*	*0.001*	*0.001*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	1.00	24	24	24	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	6.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2044	3/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*1*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*6*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/23/2048	5/3/2049	12	225	0.004	0.000	0.000	0.000	0.000	2.5	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/23/2048	5/3/2049	12	225	0.020	0.001	0.000	0.000	0.000	6.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/23/2048	5/3/2049	12	225	0.156	0.016	0.001	0.001	0.003	89.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.179*	*0.017*	*0.001*	*0.001*	*0.003*	*100*	*0.001*
Demolition - West Entrance																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	3/26/2047	6/9/2047	4	54	0.009	0.007	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	3/26/2047	6/9/2047	4	54	0.043	0.003	0.000	0.000	0.001	13.1	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	3/26/2047	6/9/2047	4	54	0.048	0.004	0.000	0.000	0.003	7.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.100*	*0.014*	*0.000*	*0.000*	*0.003*	*25*	*0.000*
Utility Relocation & Site Preparation - West Entrance																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.017	0.002	0.000	0.000	0.000	12.2	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.016	0.013	0.000	0.000	0.001	2.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.021	0.004	0.000	0.000	0.003	9.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/9/2047	9/23/2047	4	76	0.010	0.001	0.000	0.000	0.000	3.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	6/9/2047	9/23/2047	4	76	0.017	0.001	0.000	0.000	0.001	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.081*	*0.021*	*0.001*	*0.001*	*0.006*	*30*	*0.000*
Shoring - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/24/2047	11/4/2047	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	9/24/2047	11/4/2047	3	30	0.076	0.008	0.000	0.000	0.001	29.7	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/24/2047	11/4/2047	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/24/2047	11/4/2047	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.017*	*0.001*	*0.001*	*0.004*	*53*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/5/2047	3/23/2048	5	100	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	11/5/2047	3/23/2048	5	100	0.028	0.045	0.001	0.001	0.001	15.1	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	11/5/2047	3/23/2048	5	100	0.019	0.025	0.001	0.001	0.001	8.0	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.019	0.004	0.000	0.000	0.003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.007	0.005	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/5/2047	3/23/2048	5	100	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.041	0.004	0.000	0.000	0.001	16.3	0.000
Construction Equipment Total				*11*										*0.172*	*0.107*	*0.003*	*0.003*	*0.007*	*91*	*0.001*
Excavation - West Entrance - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	1.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*3*	*0.000*
Cast-in-place station box structure - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/24/2048	9/21/2048	7	130	0.009	0.001	0.000	0.000	0.000	6.2	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.014	0.001	0.000	0.000	0.000	7.3	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.014	0.001	0.000	0.000	0.000	8.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	8.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/24/2048	9/21/2048	7	130	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.047*	*0.004*	*0.000*	*0.000*	*0.001*	*35*	*0.000*
MEP and Architectural finish work - West Entrance																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/22/2048	2/8/2049	6	100	0.013	0.001	0.000	0.000	0.000	6.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.009	0.001	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.038*	*0.005*	*0.000*	*0.000*	*0.003*	*17*	*0.000*
Backfill - West Entrance																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.011	0.001	0.000	0.000	0.000	6.1	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.017	0.001	0.000	0.000	0.001	2.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.005	0.004	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.006*	*0.000*	*0.000*	*0.001*	*14*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-41	Dec-41	3	44			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Oct-41	Dec-41	3	44			0.0077	0.0058			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Oct-41	Dec-41	3	44			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Oct-41	Dec-41	3	44	0.0000	0.0001	0.0000	0.0000	0.0000	0.0140	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0081*	*0.0059*	*0.0000*	*0.0162*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Feb-42	3	56			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Feb-42	3	56			0.0209	0.0123			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Dec-41	Feb-42	3	56			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0209*	*0.0123*	*0.0000*	*0.0115*	*0.0000*
Shoring - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Apr-42	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-42	Apr-42	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Feb-42	Apr-42	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0118	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Feb-42	Apr-42	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0166	0.0000
				0.00	Feb-42	Apr-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0343*	*0.0000*
Excavation - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	Dec-42	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Apr-42	Dec-42	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	220	Dirt		Apr-42	Dec-42	9	174			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	11	20	0.92	Apr-42	Dec-42	9	174	0.0001	0.0000	0.0000	0.0000	0.0000	0.0079	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Apr-42	Dec-42	9	174	0.0001	0.0002	0.0000	0.0000	0.0000	0.0503	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0436*	*0.0256*	*0.0000*	*0.0581*	*0.0000*
Cast-in-place station box structure - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-42	Sep-43	10	205			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-42	Sep-43	10	205			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-42	Sep-43	10	205			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Dec-42	Sep-43	10	205	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
				0.00	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0224*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-43	Feb-44	6	112			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-43	Feb-44	6	112			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-43	Feb-44	6	112			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0107*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-44	Nov-44	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-44	Nov-44	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-44	Nov-44	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0116	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-44	Nov-44	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0162	0.0000
				0.00	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0337*	*0.0000*
Decking -3 Weekends (Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Nov-44	1	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-44	Nov-44	1	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Nov-44	Nov-44	1	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	5		0.42	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	0.50	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0062*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Sep-45	11	213			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-44	Sep-45	11	213			0.0434	0.0256			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Nov-44	Sep-45	11	213			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Nov-44	Sep-45	11	213	0.0001	0.0001	0.0000	0.0000	0.0000	0.0101	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Nov-44	Sep-45	11	213	0.0001	0.0002	0.0000	0.0000	0.0000	0.0629	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0437*	*0.0257*	*0.0000*	*0.0729*	*0.0000*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Sep-46	13	257			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Sep-46	13	257			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Sep-46	13	257			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-45	Sep-46	13	257	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
				0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0211*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-46	Mar-47	7	136			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-46	Mar-47	7	136			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-46	Mar-47	7	136			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0101*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-48	Mar-49	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-48	Mar-49	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	84	Dirt		Dec-48	Mar-49	4	65			0.0001	0.0000			
Truck Loading on site - idling	Number of Vehicles	7	12	0.58	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0043	0.0000
Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-48	Mar-49	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0257	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0183*	*0.0108*	*0.0000*	*0.0300*	*0.0000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-49	Feb-49	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-49	Feb-49	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-49	Feb-49	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	0.70	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin Pl															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Mar-45	14	270			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-44	Mar-45	14	270			0.0135	0.0080			
Truck Loading Dust	Tons of material being loaded per day	480	Dirt		Feb-44	Mar-45	14	270			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	24	20	2.00	Feb-44	Mar-45	14	270	0.0001	0.0001	0.0000	0.0000	0.0000	0.0172	0.0000
Trucks Traveling on site	Number of Vehicles	24	Paved	2.40	Feb-44	Mar-45	14	270	0.0001	0.0004	0.0000	0.0000	0.0000	0.1074	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-44	Mar-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-44	Mar-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-44	Mar-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-44	Mar-45	14	270	0.0000	0.0001	0.0000	0.0000	0.0000	0.0179	0.0000
				0.00	Feb-44	Mar-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0140*	*0.0081*	*0.0000*	*0.1905*	*0.0000*
Conventional Tunneling - Station to North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Jul-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-47	Jul-47	6	110			0.0128	0.0076			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Feb-47	Jul-47	6	110			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Feb-47	Jul-47	6	110	0.0001	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Feb-47	Jul-47	6	110	0.0001	0.0002	0.0000	0.0000	0.0000	0.0584	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0384	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-47	Jul-47	6	110	0.0000	0.0001	0.0000	0.0000	0.0000	0.0167	0.0000
				0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0131*	*0.0076*	*0.0000*	*0.1269*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Jul-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Jul-47	6	110			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Jul-47	6	110			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	Jun-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-45	Jun-45	4	75			0.0131	0.0077			
Truck Loading Dust	Tons of material being loaded per day	240	Dirt		Mar-45	Jun-45	4	75			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	12	20	1.00	Mar-45	Jun-45	4	75	0.0001	0.0000	0.0000	0.0000	0.0000	0.0084	0.0000
Trucks Traveling on site	Number of Vehicles	12	Paved	1.20	Mar-45	Jun-45	4	75	0.0001	0.0002	0.0000	0.0000	0.0000	0.0518	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0415	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-45	Jun-45	4	75	0.0000	0.0001	0.0000	0.0000	0.0000	0.0173	0.0000
				0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0134*	*0.0078*	*0.0000*	*0.1228*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	Jun-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-45	Jun-45	4	75			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-45	Jun-45	4	75			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Dec-45	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Dec-44	Dec-45	13	250			0.0135	0.0079			
Truck Loading Dust	Tons of material being loaded per day	440	Dirt		Dec-44	Dec-45	13	250			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	22	20	1.83	Dec-44	Dec-45	13	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0157	0.0000
Trucks Traveling on site	Number of Vehicles	22	Paved	2.20	Dec-44	Dec-45	13	250	0.0001	0.0004	0.0000	0.0000	0.0000	0.0981	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0439	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0005*	*0.0140*	*0.0080*	*0.0000*	*0.1589*	*0.0000*
SEM Construction - South Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Dec-45	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Dec-45	13	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Dec-45	13	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Feb-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Dec-45	Feb-47	15	300			0.0140	0.0083			
Truck Loading Dust	Tons of material being loaded per day	260	Dirt		Dec-45	Feb-47	15	300			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	13	20	1.08	Dec-45	Feb-47	15	300	0.0001	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Dec-45	Feb-47	15	300	0.0001	0.0002	0.0000	0.0000	0.0000	0.0598	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0443	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0143*	*0.0083*	*0.0000*	*0.1150*	*0.0000*
SEM Construction - Station Structure - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Feb-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Jun-48	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jul-47	Jun-48	12	250			0.0146	0.0086			
Truck Loading Dust	Tons of material being loaded per day	360	Dirt		Jul-47	Jun-48	12	250			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	18	20	1.50	Jul-47	Jun-48	12	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0141	0.0000
Trucks Traveling on site	Number of Vehicles	18	Paved	1.80	Jul-47	Jun-48	12	250	0.0001	0.0003	0.0000	0.0000	0.0000	0.0853	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0437	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0150*	*0.0087*	*0.0000*	*0.1442*	*0.0000*
SEM Construction - North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Jun-48	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-47	Jun-48	12	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-47	Jun-48	12	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Mar-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Nov-44	Mar-45	5	86			0.0217	0.0128			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Nov-44	Mar-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
				0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0217*	*0.0128*	*0.0000*	*0.0093*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Mar-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-44	Mar-45	5	86			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-44	Mar-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-48	May-49	12	225			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-48	May-49	12	225			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-48	May-49	12	225			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0158	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0162*	*0.0000*
Demolition - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Jun-47	4	54			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Mar-47	Jun-47	4	54			0.0070	0.0053			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Mar-47	Jun-47	4	54			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0074*	*0.0054*	*0.0000*	*0.0143*	*0.0000*
Utility Relocation & Site Preparation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Sep-47	4	76			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-47	Sep-47	4	76			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-47	Sep-47	4	76			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0213*	*0.0126*	*0.0000*	*0.0096*	*0.0000*
Shoring - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Nov-47	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-47	Nov-47	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-47	Nov-47	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-47	Nov-47	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0159	0.0000
				0.00	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0331*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Mar-48	5	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-47	Mar-48	5	100			0.0448	0.0265			
Truck Loading Dust	Tons of material being loaded per day	660	Dirt		Nov-47	Mar-48	5	100			0.0007	0.0001			
Truck Loading on site - idling	Number of Vehicles	33	20	2.75	Nov-47	Mar-48	5	100	0.0002	0.0001	0.0000	0.0000	0.0000	0.0248	0.0000
Trucks Traveling on site	Number of Vehicles	33	Paved	3.30	Nov-47	Mar-48	5	100	0.0001	0.0006	0.0000	0.0000	0.0000	0.1501	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0007*	*0.0456*	*0.0266*	*0.0000*	*0.1748*	*0.0000*
Excavation - West Entrance - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Mar-48	5	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-47	Mar-48	5	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Mar-48	5	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-48	Sep-48	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-48	Sep-48	7	130			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-48	Sep-48	7	130			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-48	Sep-48	7	130	0.0000	0.0001	0.0000	0.0000	0.0000	0.0168	0.0000
				0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0196*	*0.0000*
MEP and Architectural finish work - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-48	Feb-49	6	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-48	Feb-49	6	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-48	Feb-49	6	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0080	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0082*	*0.0000*
Backfill - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-49	Mar-49	2	27			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-49	Mar-49	2	27			0.0151	0.0089			
Truck Loading Dust	Tons of material being loaded per day	804	Dirt		Feb-49	Mar-49	2	27			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	67	12	5.58	Feb-49	Mar-49	2	27	0.0003	0.0002	0.0000	0.0000	0.0000	0.0342	0.0000
Trucks Traveling on site	Number of Vehicles	67	Paved	6.70	Feb-49	Mar-49	2	27	0.0002	0.0008	0.0000	0.0000	0.0000	0.2038	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0158*	*0.0090*	*0.0000*	*0.2380*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Oct-41	Dec-41	3	44							
				Oct-41	Dec-41	3	44							
				Oct-41	Dec-41	3	44							
				Oct-41	Dec-41	3	44							
Trucks Traveling on site	Number of Vehicles	4	66	Oct-41	Dec-41	3	44	0.0020	0.0069	0.0016	0.0002	0.0002	4.8874	0.0000
				Oct-41	Dec-41	3	44							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-41	Dec-41	3	44							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-41	Dec-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-41	Dec-41	3	44							
Totals								*0.0020*	*0.0069*	*0.0016*	*0.0002*	*0.0002*	*4.8874*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Dec-41	Feb-42	3	56							
				Dec-41	Feb-42	3	56							
				Dec-41	Feb-42	3	56							
				Dec-41	Feb-42	3	56							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-41	Feb-42	3	56							
Deliveries Traveling on site	Number of Vehicles	4	66	Dec-41	Feb-42	3	56	0.0005	0.0011	0.0008	0.0001	0.0001	3.3668	0.0000
				Dec-41	Feb-42	3	56							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-41	Feb-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-41	Feb-42	3	56							
Totals								*0.0005*	*0.0011*	*0.0008*	*0.0001*	*0.0001*	*3.3668*	*0.0000*
Shoring - Shaft (Miner Rd)														
				Feb-42	Apr-42	3	30							
				Feb-42	Apr-42	3	30							
				Feb-42	Apr-42	3	30							
				Feb-42	Apr-42	3	30							
Trucks Traveling on site	Number of Vehicles	5	66	Feb-42	Apr-42	3	30	0.0016	0.0058	0.0014	0.0002	0.0002	4.1217	0.0000
				Feb-42	Apr-42	3	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Feb-42	Apr-42	3	30	0.0001	0.0001	0.0001	0.0000	0.0000	0.4332	0.0000
				Feb-42	Apr-42	3	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Feb-42	Apr-42	3	30	0.0023	0.0081	0.0019	0.0003	0.0002	5.7704	0.0001
				Feb-42	Apr-42	3	30							
Totals								*0.0040*	*0.0141*	*0.0034*	*0.0005*	*0.0004*	*10.3253*	*0.0001*
Excavation - Shaft (Miner Rd)														
				Apr-42	Dec-42	9	174							
				Apr-42	Dec-42	9	174							
				Apr-42	Dec-42	9	174							
				Apr-42	Dec-42	9	174							
Trucks Traveling on site	Number of Vehicles	11	66	Apr-42	Dec-42	9	174	0.0070	0.0247	0.0058	0.0009	0.0007	17.5310	0.0002
				Apr-42	Dec-42	9	174							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Dec-42	9	174							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-42	Dec-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Dec-42	9	174							
Totals								*0.0070*	*0.0247*	*0.0058*	*0.0009*	*0.0007*	*17.5310*	*0.0002*
Cast-in-place station box structure - Shaft (Miner Rd)														
				Dec-42	Sep-43	10	205							
				Dec-42	Sep-43	10	205							
				Dec-42	Sep-43	10	205							
				Dec-42	Sep-43	10	205							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-42	Sep-43	10	205							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-42	Sep-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-42	Sep-43	10	205							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Dec-42	Sep-43	10	205	0.0027	0.0095	0.0022	0.0003	0.0003	6.7596	0.0001
				Dec-42	Sep-43	10	205							
Totals								*0.0027*	*0.0095*	*0.0022*	*0.0003*	*0.0003*	*6.7596*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)														
				Sep-43	Feb-44	6	112							
				Sep-43	Feb-44	6	112							
				Sep-43	Feb-44	6	112							
				Sep-43	Feb-44	6	112							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Feb-44	6	112							
Deliveries Traveling on site	Number of Vehicles	4	66	Sep-43	Feb-44	6	112	0.0004	0.0010	0.0008	0.0001	0.0001	3.1163	0.0000
				Sep-43	Feb-44	6	112							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-43	Feb-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Feb-44	6	112							
Totals								*0.0004*	*0.0010*	*0.0008*	*0.0001*	*0.0001*	*3.1163*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)														
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
Trucks Traveling on site	Number of Vehicles	5	66	Sep-44	Nov-44	3	30	0.0015	0.0057	0.0014	0.0002	0.0002	4.0540	0.0000
				Sep-44	Nov-44	3	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Sep-44	Nov-44	3	30	0.0001	0.0001	0.0001	0.0000	0.0000	0.4033	0.0000
				Sep-44	Nov-44	3	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Sep-44	Nov-44	3	30	0.0022	0.0080	0.0019	0.0003	0.0002	5.6756	0.0001
				Sep-44	Nov-44	3	30							
Totals								*0.0038*	*0.0138*	*0.0034*	*0.0005*	*0.0004*	*10.1329*	*0.0001*
Decking -3 Weekends (Pilgrimage Bridge)							*Prorated*							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Nov-44	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-44	1	9							
Deliveries Traveling on site	Number of Vehicles	5	66	Nov-44	Nov-44	1	9	0.0002	0.0006	0.0005	0.0001	0.0000	1.8147	0.0000
				Nov-44	Nov-44	1	9							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Nov-44	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-44	1	9							
Totals								*0.0002*	*0.0006*	*0.0005*	*0.0001*	*0.0000*	*1.8147*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)														
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
Trucks Traveling on site	Number of Vehicles	14	66	Nov-44	Sep-45	11	213	0.0084	0.0309	0.0074	0.0011	0.0009	21.9802	0.0002
				Nov-44	Sep-45	11	213							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Totals								*0.0084*	*0.0309*	*0.0074*	*0.0011*	*0.0009*	*21.9802*	*0.0002*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)														
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Sep-46	13	257							
Deliveries Traveling on site	Number of Vehicles	0	66	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Sep-46	13	257							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Sep-45	Sep-46	13	257	0.0024	0.0090	0.0022	0.0003	0.0003	6.3704	0.0001
				Sep-45	Sep-46	13	257							
Totals								*0.0024*	*0.0090*	*0.0022*	*0.0003*	*0.0003*	*6.3704*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)														
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Mar-47	7	136							
Deliveries Traveling on site	Number of Vehicles	4	66	Sep-46	Mar-47	7	136	0.0004	0.0009	0.0009	0.0001	0.0001	2.9537	0.0000
				Sep-46	Mar-47	7	136							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Mar-47	7	136							
Totals								*0.0004*	*0.0009*	*0.0009*	*0.0001*	*0.0001*	*2.9537*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)														
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
Trucks Traveling on site	Number of Vehicles	7	66	Dec-48	Mar-49	4	65	0.0031	0.0127	0.0031	0.0005	0.0003	9.0387	0.0001
				Dec-48	Mar-49	4	65							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Totals								*0.0031*	*0.0127*	*0.0031*	*0.0005*	*0.0003*	*9.0387*	*0.0001*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)							*Prorated*							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-49	Feb-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	9							
Deliveries Traveling on site	Number of Vehicles	7	66	Jan-49	Feb-49	2	9	0.0001	0.0003	0.0003	0.0000	0.0000	1.1201	0.0000
				Jan-49	Feb-49	2	9							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-49	Feb-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	9							
Totals								*0.0001*	*0.0003*	*0.0003*	*0.0000*	*0.0000*	*1.1201*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin Pl														
				Feb-44	Mar-45	14	270							
				Feb-44	Mar-45	14	270							
				Feb-44	Mar-45	14	270							
				Feb-44	Mar-45	14	270							
Trucks Traveling on site	Number of Vehicles	24	66	Feb-44	Mar-45	14	270	0.0143	0.0528	0.0126	0.0019	0.0015	37.5287	0.0003
				Feb-44	Mar-45	14	270							
Deliveries Traveling on site	Number of Vehicles	17	66	Feb-44	Mar-45	14	270	0.0017	0.0041	0.0036	0.0004	0.0002	13.2214	0.0001
				Feb-44	Mar-45	14	270							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Feb-44	Mar-45	14	270	0.0024	0.0088	0.0021	0.0003	0.0003	6.2548	0.0001
				Feb-44	Mar-45	14	270							
Totals								*0.0185*	*0.0657*	*0.0183*	*0.0026*	*0.0020*	*57.0048*	*0.0005*
Conventional Tunneling - Station to North Double Crossover														
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
Trucks Traveling on site	Number of Vehicles	14	66	Feb-47	Jul-47	6	110	0.0073	0.0288	0.0070	0.0010	0.0008	20.4740	0.0002
				Feb-47	Jul-47	6	110							
Deliveries Traveling on site	Number of Vehicles	17	66	Feb-47	Jul-47	6	110	0.0015	0.0034	0.0034	0.0003	0.0002	11.5522	0.0001
				Feb-47	Jul-47	6	110							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Feb-47	Jul-47	6	110	0.0021	0.0082	0.0020	0.0003	0.0002	5.8497	0.0001
				Feb-47	Jul-47	6	110							
Totals								*0.0108*	*0.0404*	*0.0124*	*0.0017*	*0.0012*	*37.8759*	*0.0003*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued														
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft														
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
Trucks Traveling on site	Number of Vehicles	12	66	Mar-45	Jun-45	4	75	0.0068	0.0255	0.0061	0.0009	0.0007	18.1259	0.0002
				Mar-45	Jun-45	4	75							
Deliveries Traveling on site	Number of Vehicles	17	66	Mar-45	Jun-45	4	75	0.0016	0.0038	0.0035	0.0004	0.0002	12.4600	0.0001
				Mar-45	Jun-45	4	75							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Mar-45	Jun-45	4	75	0.0023	0.0085	0.0020	0.0003	0.0002	6.0420	0.0001
				Mar-45	Jun-45	4	75							
Totals								*0.0106*	*0.0378*	*0.0117*	*0.0016*	*0.0012*	*36.6279*	*0.0003*
Conventional Tunneling - North Double Crossover to North Shaft - Continued														
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
				Mar-45	Jun-45	4	75							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Jun-45	4	75							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Jun-45	4	75							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-45	Jun-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Jun-45	4	75							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover														
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
Trucks Traveling on site	Number of Vehicles	22	66	Dec-44	Dec-45	13	250	0.0131	0.0483	0.0115	0.0017	0.0014	34.3033	0.0003
				Dec-44	Dec-45	13	250							
Deliveries Traveling on site	Number of Vehicles	17	66	Dec-44	Dec-45	13	250	0.0017	0.0041	0.0036	0.0004	0.0002	13.1837	0.0001
				Dec-44	Dec-45	13	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Totals								*0.0148*	*0.0523*	*0.0151*	*0.0021*	*0.0016*	*47.4870*	*0.0004*
SEM Construction - South Double Crossover - Continued														
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure														
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
Trucks Traveling on site	Number of Vehicles	13	66	Dec-45	Feb-47	15	300	0.0078	0.0295	0.0071	0.0011	0.0008	20.9455	0.0002
				Dec-45	Feb-47	15	300							
Deliveries Traveling on site	Number of Vehicles	17	66	Dec-45	Feb-47	15	300	0.0017	0.0040	0.0038	0.0004	0.0002	13.2907	0.0001
				Dec-45	Feb-47	15	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Totals								*0.0095*	*0.0335*	*0.0108*	*0.0014*	*0.0011*	*34.2362*	*0.0003*
SEM Construction - Station Structure - Continued														
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover														
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
Trucks Traveling on site	Number of Vehicles	18	66	Jul-47	Jun-48	12	250	0.0106	0.0421	0.0102	0.0015	0.0011	29.9133	0.0003
				Jul-47	Jun-48	12	250							
Deliveries Traveling on site	Number of Vehicles	17	66	Jul-47	Jun-48	12	250	0.0017	0.0038	0.0039	0.0004	0.0002	13.1275	0.0001
				Jul-47	Jun-48	12	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Totals								*0.0123*	*0.0460*	*0.0141*	*0.0019*	*0.0014*	*43.0408*	*0.0004*
SEM Construction - North Double Crossover - Continued														
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
Trucks Traveling on site	Number of Vehicles	1	66	Nov-44	Mar-45	5	86	0.0005	0.0020	0.0005	0.0001	0.0001	1.3946	0.0000
				Nov-44	Mar-45	5	86							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Mar-45	5	86							
Cement Trucks Traveling on site	Number of Vehicles	1	66	Nov-44	Mar-45	5	86	0.0005	0.0020	0.0005	0.0001	0.0001	1.3946	0.0000
				Nov-44	Mar-45	5	86							
Totals								*0.0011*	*0.0039*	*0.0009*	*0.0001*	*0.0001*	*2.7892*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued														
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
				Nov-44	Mar-45	5	86							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Mar-45	5	86							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Mar-45	5	86							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Mar-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Mar-45	5	86							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	May-49	12	225							
Deliveries Traveling on site	Number of Vehicles	7	66	Jun-48	May-49	12	225	0.0006	0.0014	0.0014	0.0001	0.0001	4.7584	0.0000
				Jun-48	May-49	12	225							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	May-49	12	225							
Totals								*0.0006*	*0.0014*	*0.0014*	*0.0001*	*0.0001*	*4.7584*	*0.0000*
Demolition - West Entrance														
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
Trucks Traveling on site	Number of Vehicles	4	66	Mar-47	Jun-47	4	54	0.0015	0.0061	0.0015	0.0002	0.0002	4.3075	0.0000
				Mar-47	Jun-47	4	54							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jun-47	4	54							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jun-47	4	54							
Totals								*0.0015*	*0.0061*	*0.0015*	*0.0002*	*0.0002*	*4.3075*	*0.0000*
Utility Relocation & Site Preparation - West Entrance														
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	76							
Deliveries Traveling on site	Number of Vehicles	4	66	Jun-47	Sep-47	4	76	0.0004	0.0008	0.0008	0.0001	0.0001	2.8170	0.0000
				Jun-47	Sep-47	4	76							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	76							
Totals								*0.0004*	*0.0008*	*0.0008*	*0.0001*	*0.0001*	*2.8170*	*0.0000*
Shoring - West Entrance														
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
Trucks Traveling on site	Number of Vehicles	5	66	Sep-47	Nov-47	3	30	0.0014	0.0056	0.0014	0.0002	0.0001	3.9884	0.0000
				Sep-47	Nov-47	3	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Sep-47	Nov-47	3	30	0.0000	0.0001	0.0001	0.0000	0.0000	0.3707	0.0000
				Sep-47	Nov-47	3	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Sep-47	Nov-47	3	30	0.0020	0.0079	0.0019	0.0003	0.0002	5.5838	0.0001
				Sep-47	Nov-47	3	30							
Totals								*0.0035*	*0.0136*	*0.0034*	*0.0005*	*0.0004*	*9.9429*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance														
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
Trucks Traveling on site	Number of Vehicles	33	66	Nov-47	Mar-48	5	100	0.0187	0.0741	0.0179	0.0027	0.0020	52.6474	0.0005
				Nov-47	Mar-48	5	100							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Totals								*0.0187*	*0.0741*	*0.0179*	*0.0027*	*0.0020*	*52.6474*	*0.0005*
Excavation - West Entrance - Continued														
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance														
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Sep-48	7	130							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Sep-48	7	130							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Mar-48	Sep-48	7	130	0.0021	0.0083	0.0020	0.0003	0.0002	5.9028	0.0001
				Mar-48	Sep-48	7	130							
Totals								*0.0021*	*0.0083*	*0.0020*	*0.0003*	*0.0002*	*5.9028*	*0.0001*
MEP and Architectural finish work - West Entrance														
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Feb-49	6	100							
Deliveries Traveling on site	Number of Vehicles	4	66	Sep-48	Feb-49	6	100	0.0003	0.0007	0.0007	0.0001	0.0000	2.4170	0.0000
				Sep-48	Feb-49	6	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Feb-49	6	100							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.4170*	*0.0000*
Backfill - West Entrance														
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
Trucks Traveling on site	Number of Vehicles	67	66	Feb-49	Mar-49	2	27	0.0244	0.1011	0.0246	0.0036	0.0025	71.6416	0.0007
				Feb-49	Mar-49	2	27							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	Mar-49	2	27							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	Mar-49	2	27							
Totals								*0.0244*	*0.1011*	*0.0246*	*0.0036*	*0.0025*	*71.6416*	*0.0007*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration - West Entrance																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.017	0.002	0.000	0.000	0.000	11.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.018	0.004	0.000	0.000	0.002	8.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.018	0.004	0.000	0.000	0.003	8.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.067*	*0.011*	*0.001*	*0.001*	*0.006*	*36*	*0.000*
Cast-in-place station cavern structure - Station & Crossovers																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/5/2047	2/3/2048	13	260	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/5/2047	2/3/2048	13	260	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work - Station & Crossovers																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/4/2048	3/29/2049	14	300	0.016	0.001	0.000	0.000	0.000	8.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.001	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.049*	*0.006*	*0.000*	*0.000*	*0.004*	*22*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-49	May-49	3	53			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-49	May-49	3	53			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-49	May-49	3	53			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0129*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Feb-48	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-47	Feb-48	13	260	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
				0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0212*	*0.0000*
MEP and Architectural finish work - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-48	Mar-49	14	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-48	Mar-49	14	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-48	Mar-49	14	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0103	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0106*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance														
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	May-49	3	53							
Deliveries Traveling on site	Number of Vehicles	6	66	Mar-49	May-49	3	53	0.0005	0.0011	0.0012	0.0001	0.0001	3.7693	0.0000
				Mar-49	May-49	3	53							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	May-49	3	53							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.7693*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers														
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Feb-47	Feb-48	13	260	0.0023	0.0090	0.0022	0.0003	0.0002	6.3815	0.0001
				Feb-47	Feb-48	13	260							
Totals								*0.0023*	*0.0090*	*0.0022*	*0.0003*	*0.0002*	*6.3815*	*0.0001*
MEP and Architectural finish work - Station & Crossovers														
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-49	14	300							
Deliveries Traveling on site	Number of Vehicles	4	66	Feb-48	Mar-49	14	300	0.0004	0.0009	0.0009	0.0001	0.0001	3.1076	0.0000
				Feb-48	Mar-49	14	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-49	14	300							
Totals								*0.0004*	*0.0009*	*0.0009*	*0.0001*	*0.0001*	*3.1076*	*0.0000*

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.82	6.52	0.03	0.06	0.05	3,299
2043	0.42	4.10	9.71	0.04	0.12	0.11	5,446
2044	0.37	3.96	8.55	0.04	0.11	0.10	5,948
2045	0.24	2.13	8.17	0.04	0.06	0.06	5,286
2046	0.39	1.71	9.76	0.04	0.06	0.05	5,234
2047	0.44	1.54	9.18	0.04	0.05	0.05	4,532
2048	0.27	0.57	3.99	0.02	0.03	0.03	1,950
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.03	0.60	4
2043	0.00	0.07	0.04	0.00	1.80	1.04	19
2044	0.00	0.07	0.03	0.00	1.78	1.08	18
2045	0.00	0.03	0.02	0.00	0.91	0.59	9
2046	0.00	0.02	0.01	0.00	0.84	0.56	6
2047	0.00	0.01	0.01	0.00	0.71	0.47	4
2048	0.00	0.00	0.00	0.00	0.24	0.14	1
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.05	1.73	0.50	0.01	0.42	0.06	1,311
2043	0.23	7.66	2.14	0.05	1.85	0.27	5,597
2044	0.22	7.63	2.10	0.05	1.85	0.27	5,550
2045	0.10	3.37	0.91	0.02	0.85	0.12	2,580
2046	0.07	2.39	0.64	0.02	0.64	0.09	1,943
2047	0.04	1.35	0.36	0.01	0.40	0.05	1,219
2048	0.01	0.20	0.06	0.00	0.09	0.01	279
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.05	1.52	0.01	0.03	0.01	592
2044	0.02	0.07	1.91	0.01	0.04	0.02	744
2045	0.02	0.06	1.86	0.01	0.04	0.02	727
2046	0.02	0.07	1.99	0.01	0.05	0.02	780
2047	0.01	0.05	1.62	0.01	0.04	0.01	638
2048	0.01	0.04	1.07	0.00	0.02	0.01	422
2049	0.00	0.01	0.28	0.00	0.01	0.00	108
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.35	3.60	8.03	0.05	1.54	0.73	5,002
2043	0.67	11.88	13.40	0.10	3.80	1.44	11,653
2044	0.61	11.73	12.58	0.10	3.79	1.47	12,262
2045	0.36	5.60	10.96	0.07	1.87	0.79	8,602
2046	0.48	4.19	12.40	0.07	1.58	0.72	7,963
2047	0.49	2.96	11.17	0.06	1.19	0.59	6,393
2048	0.28	0.81	5.13	0.03	0.38	0.19	2,652
2049	0.00	0.01	0.28	0.00	0.01	0.00	108
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Project (US Tons)	3.37	41.44	76.39	0.47	14.66	6.22	55,574
BTUs							
CO2e (tons)							56,074
CO2 (metric tons)							50,416
CO2e (metric tons)							50,869

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	16	0	0	0
2042	2	14	50	0	0	0
2043	3	31	74	0	1	1
2044	3	30	65	0	1	1
2045	2	16	62	0	0	0
2046	3	13	74	0	0	0
2047	3	12	70	0	0	0
2048	2	4	30	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*31*	*74*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	8	5
2043	0	1	0	0	14	8
2044	0	1	0	0	14	8
2045	0	0	0	0	7	5
2046	0	0	0	0	6	4
2047	0	0	0	0	5	4
2048	0	0	0	0	2	1
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*14*	*8*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	0	0
2042	0	13	4	0	3	0
2043	2	58	16	0	14	2
2044	2	58	16	0	14	2
2045	1	26	7	0	7	1
2046	1	18	5	0	5	1
2047	0	10	3	0	3	0
2048	0	2	0	0	1	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*2*	*58*	*16*	*0*	*14*	*2*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	8	0	0	0
2043	0	0	12	0	0	0
2044	0	0	15	0	0	0
2045	0	0	14	0	0	0
2046	0	1	15	0	0	0
2047	0	0	12	0	0	0
2048	0	0	8	0	0	0
2049	0	0	2	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*15*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	27	61	0	12	6
2043	5	91	102	1	29	11
2044	5	90	96	1	29	11
2045	3	43	84	1	14	6
2046	4	32	95	1	12	5
2047	4	23	85	0	9	5
2048	2	6	39	0	3	1
2049	0	0	2	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*5*	*91*	*102*	*1*	*29*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.01	0.04	0.17	0.00	0.00	0.00	63
2044	0.14	0.56	2.10	0.01	0.01	0.01	802
2045	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.08	0.67	2.49	0.01	0.01	0.01	1,141
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.05	0.03	0
2044	0.00	0.01	0.01	0.00	0.57	0.38	3
2045	0.00	0.00	0.00	0.00	0.40	0.30	0
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.37	0.28	0
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.11	0.03	0.00	0.03	0.00	75
2044	0.03	1.17	0.33	0.01	0.28	0.04	836
2045	0.00	0.08	0.03	0.00	0.03	0.00	112
2046	0.00	0.08	0.03	0.00	0.03	0.00	112
2047	0.00	0.07	0.02	0.00	0.03	0.00	103
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	0.00	0.00	0.03	0.00	0.00	0.00	13
2044	0.00	0.01	0.26	0.00	0.01	0.00	103
2045	0.00	0.01	0.36	0.00	0.01	0.00	140
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.32	0.00	0.01	0.00	128
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.06	0.00	0.00	0.00	22
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.02	0.15	0.23	0.00	0.08	0.04	152
2044	0.18	1.75	2.69	0.02	0.86	0.44	1,743
2045	0.10	0.83	3.10	0.01	0.45	0.32	1,498
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,498
2047	0.09	0.76	2.84	0.01	0.42	0.29	1,372
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.06	0.00	0.00	0.00	22
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.48	4.31	12.08	0.06	2.27	1.41	6,310
BTUs							
CO2e (tons)							6,367
CO2 (metric tons)							5,725
CO2e (metric tons)							5,776

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	1	0	0	0
2044	1	4	16	0	0	0
2045	1	6	21	0	0	0
2046	1	6	21	0	0	0
2047	1	5	19	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*6*	*21*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	4	3
2045	0	0	0	0	3	2
2046	0	0	0	0	3	2
2047	0	0	0	0	3	2
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*4*	*3*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	1	0	0	0	0
2044	0	9	2	0	2	0
2045	0	1	0	0	0	0
2046	0	1	0	0	0	0
2047	0	1	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*9*	*2*	*0*	*2*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	2	0	0	0
2045	0	0	3	0	0	0
2046	0	0	3	0	0	0
2047	0	0	2	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*3*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	1	2	0	1	0
2044	1	13	21	0	7	3
2045	1	6	24	0	3	2
2046	1	6	24	0	3	2
2047	1	6	22	0	3	2
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*1*	*13*	*24*	*0*	*7*	*3*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.1290	0.1290	0.1290	0.2129	0.0839	0.0839	0.0839	0.0839	0.0839	0.0839
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0065	0.0070	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1356	0.1356	0.1356	0.2201	0.0844	0.0844	0.0844	0.0844	0.0844	0.0844
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2189	0.0842	0.0842	0.0842
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0086	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2276	0.0847	0.0847	0.0847
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.1290	0.1290	0.2637	0.3476	0.2186	0.2186	0.3028	0.1681	0.1681	0.1681
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0146	0.0151	0.0086	0.0086	0.0091	0.0010	0.0010	0.0010
1.3054	Total	0.000	0.000	0.136	0.136	0.279	0.363	0.227	0.227	0.312	0.169	0.169	0.169
YEARLY TOTALS		2.187											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0735
Hollywood/Highland	Equipment	0.0839	0.0839	0.0839	0.4305	0.4305	0.4305	0.4305	0.4305	0.4305	0.3466	0.4349	0.0883
	Activity	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0346	0.0353	0.0007
	Total	0.0844	0.0844	0.0844	0.4662	0.4662	0.4662	0.4662	0.4662	0.4662	0.3818	0.4708	0.0890
La Brea/Santa Monica	Equipment	0.3384	0.3899	0.3899	0.2129	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0073	0.0081	0.0081	0.0200	0.0195	0.0195	0.0195	0.0195	0.0195	0.0199	0.0195	0.0195
	Total	0.3458	0.3981	0.3981	0.2332	0.1485	0.1485	0.1485	0.1485	0.1485	0.1825	0.1485	0.1485
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025	0.0025	0.0025	0.0025
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0735	0.0735	0.0735	0.0735	0.0735
All Areas	Equipment	0.4223	0.4738	0.4738	0.6434	0.5592	0.5592	0.5592	0.6301	0.6301	0.5799	0.6345	0.3589
TOTALS	Activity	0.0001	0.0001	0.0001	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0004
	Hauling	0.0078	0.0086	0.0086	0.0551	0.0547	0.0547	0.0547	0.0572	0.0572	0.0570	0.0574	0.0253
1.3054	Total	0.430	0.483	0.483	0.699	0.615	0.615	0.615	0.688	0.688	0.638	0.693	0.385
YEARLY TOTALS		7.031											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0294
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2002
Fairfax/3rd/Beverly	Equipment	0.0710	0.0710	0.0710	0.0710	0.1549	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0025	0.0025	0.0025	0.0025	0.0030	0.0004	0.0004	0.0004	0.0072	0.0072	0.0072	0.0079
	Total	0.0735	0.0735	0.0735	0.0735	0.1579	0.0843	0.0843	0.0843	0.4292	0.4292	0.4292	0.4740
Hollywood/Highland	Equipment	0.0883	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.0000	0.0000	0.0000
	Activity	0.0000	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000
	Hauling	0.0007	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.0000	0.0000	0.0000
	Total	0.0890	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.1287	0.1287	0.1555	0.1555	0.2282	0.2282	0.2282	0.2282	0.2282	0.2282	0.2282	0.2282
	Activity	0.0003	0.0003	0.0003	0.0003	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0195	0.0195	0.0197	0.0197	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470	0.0470
	Total	0.1485	0.1485	0.1755	0.1755	0.2760	0.2760	0.2760	0.2760	0.2760	0.2760	0.2760	0.2760
Fairfax/Santa Monica Stati	Equipment	0.0710	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0025	0.0004	0.0004	0.0004	0.0072	0.0072	0.0072	0.0079	0.0011	0.0011	0.0626	0.0626
	Total	0.0735	0.0843	0.0843	0.0843	0.4292	0.4292	0.4292	0.4740	0.1291	0.1291	0.1915	0.1915
All Areas	Equipment	0.3589	0.5416	0.5685	0.5685	1.0631	0.9921	0.9921	1.0363	1.0363	0.7781	0.7780	0.9925
TOTALS	Activity	0.0004	0.0034	0.0034	0.0034	0.0039	0.0039	0.0039	0.0039	0.0039	0.0009	0.0019	0.0024
	Hauling	0.0253	0.2037	0.2038	0.2038	0.2384	0.2359	0.2359	0.2365	0.2365	0.0553	0.1168	0.1468
1.3054	Total	0.385	0.749	0.776	0.776	1.305	1.232	1.232	1.277	1.277	0.834	0.897	1.142
YEARLY TOTALS		11.880											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.2263
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000
	Hauling	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0021
	Total	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2284
Fairfax/3rd/Beverly	Equipment	0.1280	0.1863	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.0000	0.0000
	Activity	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000
	Hauling	0.0011	0.0620	0.0613	0.0613	0.0613	0.0613	0.0613	0.0613	0.0613	0.0613	0.0000	0.0000
	Total	0.1291	0.2493	0.2045	0.2045	0.2045	0.2045	0.2045	0.2045	0.2045	0.2045	0.0000	0.0000
Hollywood/Highland	Equipment	0.0719	0.0719	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0053	0.0053	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
	Total	0.0773	0.0773	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0862	0.2832	0.2832	0.2832	0.2832	0.2832	0.4836	0.4836	0.4836	0.4836
	Activity	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Hauling	0.0000	0.0000	0.0015	0.0791	0.0791	0.0791	0.0791	0.0791	0.0798	0.0798	0.0798	0.0798
	Total	0.0000	0.0000	0.0877	0.3636	0.3636	0.3636	0.3636	0.3636	0.5647	0.5647	0.5647	0.5647
Fairfax/Santa Monica Stati	Equipment	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0626	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1915	0.1915	0.1915	0.1915	0.1915	0.1915	0.1915	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.4982	0.5564	0.5787	0.7757	0.7757	0.7757	0.7757	0.6478	0.8481	0.8481	0.7060	0.7620
TOTALS	Activity	0.0016	0.0026	0.0027	0.0040	0.0040	0.0040	0.0040	0.0029	0.0029	0.0029	0.0019	0.0014
	Hauling	0.0984	0.1592	0.1600	0.2376	0.2376	0.2376	0.2376	0.1750	0.1758	0.1758	0.1144	0.0872
1.3054	Total	0.598	0.718	0.741	1.017	1.017	1.017	1.017	0.823	1.0269	1.0269	0.822	0.851
YEARLY TOTALS		10.679											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.1558	0.1558	0.1558	0.1558	0.1558
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0956	0.0956	0.0956	0.0956	0.0956
	Total	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.2530	0.2530	0.2530	0.2530	0.2530
La Brea/Santa Monica	Equipment	0.4836	0.4836	0.4836	0.4836	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463	0.2463
	Activity	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0798	0.0798	0.0798	0.0798	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.5647	0.5647	0.5647	0.5647	0.2484	0.2484	0.2484	0.2484	0.2484	0.2484	0.2484	0.2484
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0000	0.0000	0.0000	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
All Areas	Equipment	0.7620	0.7620	0.7620	0.7620	0.5755	0.5755	0.5755	0.6792	0.6792	0.6792	0.6792	0.6792
TOTALS	Activity	0.0014	0.0014	0.0014	0.0014	0.0002	0.0002	0.0002	0.0018	0.0018	0.0018	0.0018	0.0018
	Hauling	0.0872	0.0872	0.0872	0.0872	0.0142	0.0142	0.0142	0.1046	0.1046	0.1046	0.1046	0.1046
1.3054	Total	0.851	0.851	0.851	0.851	0.590	0.590	0.590	0.786	0.786	0.786	0.786	0.786
YEARLY TOTALS		9.100											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0000	0.0000	0.0000	0.0000	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593
Hollywood/Highland	Equipment	0.1558	0.1558	0.1558	0.3097	0.3097	0.3097	0.1557	0.1557	0.1557	0.1557	0.1557	0.1073
	Activity	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0956	0.0956	0.0956	0.0020	0.0020	0.0020	0.0014	0.0014	0.0014	0.0014	0.0014	0.0004
	Total	0.2530	0.2530	0.2530	0.3117	0.3117	0.3117	0.1572	0.1572	0.1572	0.1572	0.1572	0.1077
La Brea/Santa Monica	Equipment	0.2463	0.2463	0.2463	0.2976	0.2517	0.2517	0.2517	0.2517	0.2517	0.2517	0.2517	0.2517
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0068	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
	Total	0.2484	0.2484	0.2484	0.3045	0.2573	0.2573	0.2573	0.2573	0.2573	0.2573	0.2573	0.2573
Fairfax/Santa Monica Stati	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.1838	0.1838	0.1838	0.1838	0.1838
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0375	0.0375	0.0375	0.0375	0.0375
	Total	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.2220	0.2220	0.2220	0.2220	0.2220
All Areas	Equipment	0.6792	0.6792	0.6792	0.8845	0.8928	0.8928	0.7388	0.8717	0.8717	0.8717	0.8717	0.8233
TOTALS	Activity	0.0018	0.0018	0.0018	0.0002	0.0003	0.0003	0.0003	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.1046	0.1046	0.1046	0.0157	0.0194	0.0194	0.0188	0.0515	0.0515	0.0515	0.0515	0.0505
1.3054	Total	0.786	0.786	0.786	0.900	0.912	0.912	0.758	0.924	0.924	0.924	0.924	0.875
YEARLY TOTALS		10.411											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.0000
Fairfax/3rd/Beverly	Equipment	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.1801	0.1801	0.1801	0.1801	0.1801	0.1801
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238
	Total	0.0593	0.0593	0.0593	0.0593	0.0593	0.0593	0.2043	0.2043	0.2043	0.2043	0.2043	0.2043
Hollywood/Highland	Equipment	0.1073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.2517	0.2517	0.2517	0.2517	0.2517	0.2461	0.2461	0.2870	0.2870	0.2870	0.2870	0.2870
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0055	0.0055	0.0055	0.0055	0.0055	0.0017	0.0017	0.0176	0.0176	0.0176	0.0176	0.0176
	Total	0.2573	0.2573	0.2573	0.2573	0.2573	0.2478	0.2478	0.3049	0.3049	0.3049	0.3049	0.3049
Fairfax/Santa Monica Stati	Equipment	0.1838	0.2956	0.2956	0.2956	0.2110	0.2110	0.2110	0.2110	0.0760	0.0000	0.0000	0.0000
	Activity	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0375	0.0018	0.0018	0.0018	0.0012	0.0012	0.0012	0.0012	0.0003	0.0000	0.0000	0.0000
	Total	0.2220	0.2974	0.2974	0.2974	0.2122	0.2122	0.2122	0.2122	0.0762	0.0000	0.0000	0.0000
All Areas	Equipment	0.8233	0.8278	0.8278	0.8278	0.7432	0.7376	0.8635	0.9044	0.7694	0.6934	0.6934	0.4671
TOTALS	Activity	0.0009	0.0002	0.0002	0.0002	0.0002	0.0001	0.0005	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0505	0.0144	0.0144	0.0144	0.0138	0.0100	0.0288	0.0447	0.0437	0.0435	0.0435	0.0414
1.3054	Total	0.875	0.842	0.842	0.842	0.757	0.748	0.893	0.950	0.814	0.738	0.738	0.509
YEARLY TOTALS		9.548											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.3428	0.3001	0.3001	0.2156	0.2156	0.2156	0.2156	0.0781	0.0781	0.0000	0.0000	0.0000
	Activity	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0246	0.0018	0.0018	0.0012	0.0012	0.0012	0.0012	0.0003	0.0003	0.0000	0.0000	0.0000
	Total	0.3678	0.3019	0.3019	0.2168	0.2168	0.2168	0.2168	0.0784	0.0784	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.3528	0.4468	0.3810	0.3810	0.3353	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0180	0.0026	0.0022	0.0022	0.0013	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3711	0.4494	0.3832	0.3832	0.3366	0.1354	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6956	0.7469	0.6811	0.5966	0.5508	0.3505	0.2156	0.0781	0.0781	0.0000	0.0000	0.0000
TOTALS	Activity	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0426	0.0044	0.0040	0.0034	0.0025	0.0017	0.0012	0.0003	0.0003	0.0000	0.0000	0.0000
1.3054	Total	0.739	0.751	0.685	0.600	0.553	0.352	0.217	0.078	0.078	0.000	0.000	0.000
YEARLY TOTALS		4.055											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3477	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0177	0.0177	0.0177	0.0399	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0224	0.0236	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.86	Total	0.0000	0.0000	0.0403	0.0403	0.0403	0.0637	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0407	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0289	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0698	0.0234	0.0234	0.0234
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0177	0.0177	0.0362	0.0584	0.0406	0.0406	0.0629	0.0444	0.0444	0.0444
TOTALS	Activity	0.0000	0.0000	0.0002	0.0002	0.0005	0.0005	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0501	0.0513	0.0288	0.0288	0.0300	0.0024	0.0024	0.0024
1.3002	Total	0.000	0.000	0.040	0.040	0.087	0.110	0.070	0.070	0.093	0.047	0.047	0.047
YEARLY TOTALS		0.651											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089
0.3477	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187
Hollywood/Highland	Equipment	0.0222	0.0222	0.0222	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0506	0.0627	0.0121
	Activity	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0012	0.0000
	Hauling	0.0012	0.0012	0.0012	0.1224	0.1224	0.1224	0.1224	0.1224	0.1224	0.1212	0.1228	0.0016
0.86	Total	0.0234	0.0234	0.0234	0.1963	0.1963	0.1963	0.1963	0.1963	0.1963	0.1730	0.1867	0.0137
La Brea/Santa Monica	Equipment	0.0597	0.0667	0.0667	0.1236	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0006	0.0006
	Hauling	0.0243	0.0262	0.0262	0.0698	0.0686	0.0686	0.0686	0.0686	0.0686	0.0694	0.0686	0.0686
	Total	0.0842	0.0932	0.0932	0.1940	0.1706	0.1706	0.1706	0.1706	0.1706	0.1743	0.1706	0.1706
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187
All Areas	Equipment	0.0819	0.0889	0.0889	0.1964	0.1742	0.1742	0.1742	0.1839	0.1839	0.1647	0.1738	0.1329
TOTALS	Activity	0.0002	0.0003	0.0003	0.0018	0.0018	0.0018	0.0018	0.0019	0.0019	0.0019	0.0019	0.0008
	Hauling	0.0255	0.0274	0.0274	0.1921	0.1909	0.1909	0.1909	0.1998	0.1998	0.1995	0.2003	0.0880
1.3002	Total	0.108	0.117	0.117	0.390	0.367	0.367	0.367	0.386	0.386	0.366	0.376	0.222
YEARLY TOTALS		3.566											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0450
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1058
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1517
Fairfax/3rd/Beverly	Equipment	0.0097	0.0097	0.0097	0.0097	0.0319	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003
	Hauling	0.0089	0.0089	0.0089	0.0089	0.0099	0.0010	0.0010	0.0010	0.0253	0.0253	0.0253	0.0268
0.3477	Total	0.0187	0.0187	0.0187	0.0187	0.0419	0.0232	0.0232	0.0232	0.0944	0.0944	0.0944	0.1020
Hollywood/Highland	Equipment	0.0121	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.0000	0.0000	0.0000
	Activity	0.0000	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000
	Hauling	0.0016	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.0000	0.0000	0.0000
0.86	Total	0.0137	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.1014	0.1014	0.1036	0.1036	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211	0.1211
	Activity	0.0006	0.0006	0.0007	0.0007	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0686	0.0686	0.0689	0.0689	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671	0.1671
	Total	0.1706	0.1706	0.1732	0.1732	0.2898	0.2898	0.2898	0.2898	0.2898	0.2898	0.2898	0.2898
Fairfax/Santa Monica Stati	Equipment	0.0097	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008
	Activity	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021
	Hauling	0.0089	0.0010	0.0010	0.0010	0.0253	0.0253	0.0253	0.0268	0.0026	0.0026	0.2253	0.2253
	Total	0.0187	0.0232	0.0232	0.0232	0.0944	0.0944	0.0944	0.1020	0.0308	0.0308	0.3282	0.3282
All Areas	Equipment	0.1329	0.3366	0.3389	0.3389	0.4252	0.4155	0.4155	0.4215	0.4215	0.2181	0.2907	0.3417
TOTALS	Activity	0.0008	0.0069	0.0069	0.0069	0.0081	0.0080	0.0080	0.0080	0.0080	0.0018	0.0040	0.0050
	Hauling	0.0880	0.7310	0.7314	0.7314	0.8548	0.8459	0.8459	0.8475	0.8475	0.1950	0.4177	0.5250
1.3002	Total	0.222	1.075	1.077	1.077	1.288	1.269	1.269	1.277	1.277	0.415	0.712	0.872
YEARLY TOTALS		11.831											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0610
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001
	Hauling	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.0066
	Total	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.0677
Fairfax/3rd/Beverly	Equipment	0.0282	0.1180	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.0000	0.0000
	Activity	0.0000	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0000	0.0000
	Hauling	0.0026	0.2276	0.2260	0.2260	0.2260	0.2260	0.2260	0.2260	0.2260	0.2260	0.0000	0.0000
0.3477	Total	0.0308	0.3477	0.3402	0.3402	0.3402	0.3402	0.3402	0.3402	0.3402	0.3402	0.0000	0.0000
Hollywood/Highland	Equipment	0.0062	0.0062	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0190	0.0190	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189
0.86	Total	0.0254	0.0254	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0424	0.1649	0.1649	0.1649	0.1649	0.1649	0.1843	0.1843	0.1843	0.1843
	Activity	0.0000	0.0000	0.0000	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0028	0.0028	0.0028
	Hauling	0.0000	0.0000	0.0053	0.2890	0.2890	0.2890	0.2890	0.2890	0.2908	0.2908	0.2908	0.2908
	Total	0.0000	0.0000	0.0477	0.4567	0.4567	0.4567	0.4567	0.4567	0.4779	0.4779	0.4779	0.4779
Fairfax/Santa Monica Stati	Equipment	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2253	0.2253	0.2253	0.2253	0.2253	0.2253	0.2253	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3282	0.3282	0.3282	0.3282	0.3282	0.3282	0.3282	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1801	0.2699	0.3045	0.4271	0.4271	0.4271	0.4271	0.3263	0.3457	0.3457	0.2337	0.2498
TOTALS	Activity	0.0033	0.0055	0.0055	0.0082	0.0082	0.0082	0.0082	0.0061	0.0061	0.0061	0.0039	0.0030
	Hauling	0.3527	0.5777	0.5813	0.8650	0.8650	0.8650	0.8650	0.6396	0.6415	0.6415	0.4154	0.3163
1.3002	Total	0.536	0.853	0.891	1.300	1.300	1.300	1.3002	0.9720	0.9932	0.9932	0.653	0.569
YEARLY TOTALS		11.662											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3477	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0263	0.0263	0.0263	0.0263	0.0263
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0034	0.0034	0.0034	0.0034	0.0034
	Hauling	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.3592	0.3592	0.3592	0.3592	0.3592
0.86	Total	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.3889	0.3889	0.3889	0.3889	0.3889
La Brea/Santa Monica	Equipment	0.1843	0.1843	0.1843	0.1843	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584
	Activity	0.0028	0.0028	0.0028	0.0028	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.2908	0.2908	0.2908	0.2908	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.4779	0.4779	0.4779	0.4779	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650	0.0650
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181
	Total	0.0000	0.0000	0.0000	0.0000	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
All Areas	Equipment	0.2498	0.2498	0.2498	0.2498	0.1282	0.1282	0.1282	0.1500	0.1500	0.1500	0.1500	0.1500
TOTALS	Activity	0.0030	0.0030	0.0030	0.0030	0.0005	0.0005	0.0005	0.0037	0.0037	0.0037	0.0037	0.0037
	Hauling	0.3163	0.3163	0.3163	0.3163	0.0502	0.0502	0.0502	0.3906	0.3906	0.3906	0.3906	0.3906
1.3002	Total	0.569	0.569	0.569	0.569	0.179	0.179	0.179	0.5443	0.5443	0.544	0.544	0.544
YEARLY TOTALS		5.535											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0192	0.0192	0.0192	0.0192	0.0192	0.0192	0.0192	0.0192
0.3477	Total	0.0000	0.0000	0.0000	0.0000	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
Hollywood/Highland	Equipment	0.0263	0.0263	0.0263	0.0412	0.0412	0.0412	0.0238	0.0238	0.0238	0.0238	0.0238	0.0174
	Activity	0.0034	0.0034	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3592	0.3592	0.3592	0.0047	0.0047	0.0047	0.0033	0.0033	0.0033	0.0033	0.0033	0.0008
0.86	Total	0.3889	0.3889	0.3889	0.0459	0.0459	0.0459	0.0271	0.0271	0.0271	0.0271	0.0271	0.0183
La Brea/Santa Monica	Equipment	0.0584	0.0584	0.0584	0.0627	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237
	Activity	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0066	0.0066	0.0066	0.0248	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
	Total	0.0650	0.0650	0.0650	0.0878	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440	0.0440
Fairfax/Santa Monica Stati	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0294	0.0294	0.0294	0.0294	0.0294
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014	0.0014
	Hauling	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.1435	0.1435	0.1435	0.1435	0.1435
	Total	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.1742	0.1742	0.1742	0.1742	0.1742
All Areas	Equipment	0.1500	0.1500	0.1500	0.1693	0.1349	0.1349	0.1175	0.1425	0.1425	0.1425	0.1425	0.1362
TOTALS	Activity	0.0037	0.0037	0.0037	0.0005	0.0006	0.0006	0.0006	0.0018	0.0018	0.0018	0.0018	0.0018
	Hauling	0.3906	0.3906	0.3906	0.0543	0.0687	0.0687	0.0674	0.1927	0.1927	0.1927	0.1927	0.1902
1.3002	Total	0.544	0.544	0.544	0.224	0.204	0.204	0.185	0.337	0.337	0.337	0.337	0.328
YEARLY TOTALS		4.128											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0000
Fairfax/3rd/Beverly	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0192	0.0192	0.0192	0.0192	0.0192	0.0192	0.0926	0.0926	0.0926	0.0926	0.0926	0.0926
0.3477	Total	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.1221	0.1221	0.1221	0.1221	0.1221	0.1221
Hollywood/Highland	Equipment	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0237	0.0237	0.0237	0.0237	0.0237	0.0253	0.0253	0.0329	0.0329	0.0329	0.0329	0.0329
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006
	Hauling	0.0200	0.0200	0.0200	0.0200	0.0200	0.0040	0.0040	0.0667	0.0667	0.0667	0.0667	0.0667
	Total	0.0440	0.0440	0.0440	0.0440	0.0440	0.0294	0.0294	0.1003	0.1003	0.1003	0.1003	0.1003
Fairfax/Santa Monica Stati	Equipment	0.0294	0.0474	0.0474	0.0474	0.0327	0.0327	0.0327	0.0327	0.0123	0.0000	0.0000	0.0000
	Activity	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1435	0.0041	0.0041	0.0041	0.0029	0.0029	0.0029	0.0029	0.0006	0.0000	0.0000	0.0000
	Total	0.1742	0.0515	0.0515	0.0515	0.0355	0.0355	0.0355	0.0355	0.0130	0.0000	0.0000	0.0000
All Areas	Equipment	0.1362	0.1368	0.1368	0.1368	0.1220	0.1237	0.1477	0.1553	0.1349	0.1226	0.1226	0.0616
TOTALS	Activity	0.0018	0.0005	0.0005	0.0005	0.0005	0.0003	0.0010	0.0016	0.0016	0.0016	0.0016	0.0015
	Hauling	0.1902	0.0501	0.0501	0.0501	0.0488	0.0327	0.1061	0.1688	0.1666	0.1660	0.1660	0.1593
1.3002	Total	0.328	0.187	0.187	0.187	0.171	0.157	0.255	0.326	0.303	0.290	0.290	0.222
YEARLY TOTALS		2.904											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0560	0.0481	0.0481	0.0334	0.0334	0.0334	0.0334	0.0127	0.0127	0.0000	0.0000	0.0000
	Activity	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0945	0.0041	0.0041	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000
0.3477	Total	0.1514	0.0522	0.0522	0.0362	0.0362	0.0362	0.0362	0.0133	0.0133	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0444	0.0587	0.0473	0.0473	0.0413	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0677	0.0061	0.0051	0.0051	0.0029	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1128	0.0648	0.0524	0.0524	0.0443	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1004	0.1068	0.0954	0.0806	0.0747	0.0553	0.0334	0.0127	0.0127	0.0000	0.0000	0.0000
TOTALS	Activity	0.0015	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1622	0.0101	0.0092	0.0079	0.0057	0.0039	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000
1.3002	Total	0.264	0.117	0.105	0.089	0.080	0.059	0.036	0.013	0.013	0.000	0.000	0.000
YEARLY TOTALS		0.777											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1098	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0196	0.0196	0.0196	0.0416	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0052	0.0061	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0253	0.0253	0.0253	0.0488	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0429	0.0222	0.0222	0.0222
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0073	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0513	0.0236	0.0236	0.0236
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0016	0.0011	0.0011	0.0017	0.0012	0.0012	0.0012
TOTALS	Activity	0.0000	0.0000	0.0196	0.0196	0.0402	0.0623	0.0428	0.0428	0.0649	0.0443	0.0443	0.0443
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0117	0.0125	0.0073	0.0073	0.0082	0.0018	0.0018	0.0018
0.4091	Total	0.000	0.000	0.025	0.025	0.053	0.076	0.051	0.051	0.075	0.047	0.047	0.047
YEARLY TOTALS		0.499											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021
0.1098	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129
Hollywood/Highland	Equipment	0.0006	0.0006	0.0006	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0020	0.0024	0.0004
	Activity	0.0221	0.0221	0.0221	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0274	0.0274	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0291	0.0305	0.0013
	Total	0.0236	0.0236	0.0236	0.0821	0.0821	0.0821	0.0821	0.0821	0.0821	0.0586	0.0603	0.0017
La Brea/Santa Monica	Equipment	0.0021	0.0023	0.0023	0.0035	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0410	0.0410	0.0410	0.0670	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449
	Hauling	0.0064	0.0079	0.0079	0.0170	0.0161	0.0161	0.0161	0.0161	0.0161	0.0168	0.0161	0.0161
	Total	0.0495	0.0513	0.0513	0.0876	0.0639	0.0639	0.0639	0.0639	0.0639	0.0647	0.0639	0.0639
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129
All Areas	Equipment	0.0027	0.0029	0.0029	0.0062	0.0056	0.0056	0.0056	0.0058	0.0058	0.0054	0.0057	0.0039
TOTALS	Activity	0.0631	0.0631	0.0631	0.1165	0.0944	0.0944	0.0944	0.1049	0.1049	0.0828	0.0828	0.0660
	Hauling	0.0073	0.0088	0.0088	0.0470	0.0461	0.0461	0.0461	0.0482	0.0482	0.0480	0.0486	0.0216
0.4091	Total	0.073	0.075	0.075	0.170	0.146	0.146	0.146	0.159	0.159	0.136	0.137	0.091
YEARLY TOTALS		1.513											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0250
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0746
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0003	0.0003	0.0009	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026
	Activity	0.0105	0.0105	0.0105	0.0105	0.0326	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0030	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081
0.1098	Total	0.0129	0.0129	0.0129	0.0129	0.0365	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530
Hollywood/Highland	Equipment	0.0004	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000
	Activity	0.0000	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0000	0.0000	0.0000
	Hauling	0.0013	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.0000	0.0000	0.0000
	Total	0.0017	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0030	0.0030	0.0031	0.0031	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029
	Activity	0.0449	0.0449	0.0449	0.0449	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148
	Hauling	0.0161	0.0161	0.0164	0.0164	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421	0.0421
	Total	0.0639	0.0639	0.0643	0.0643	0.0599	0.0599	0.0599	0.0599	0.0599	0.0599	0.0599	0.0599
Fairfax/Santa Monica Stati	Equipment	0.0003	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029
	Activity	0.0105	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0462	0.0462
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0534	0.0534
	Total	0.0129	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.1025	0.1025
All Areas	Equipment	0.0039	0.0098	0.0098	0.0098	0.0121	0.0119	0.0119	0.0121	0.0121	0.0061	0.0083	0.0097
TOTALS	Activity	0.0660	0.1726	0.1726	0.1726	0.1848	0.1743	0.1743	0.1743	0.1743	0.0792	0.1032	0.1517
	Hauling	0.0216	0.1736	0.1739	0.1739	0.2064	0.2043	0.2043	0.2056	0.2056	0.0511	0.1023	0.1286
0.4091	Total	0.091	0.356	0.356	0.356	0.403	0.390	0.390	0.392	0.392	0.136	0.214	0.290
YEARLY TOTALS		3.769											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0010
	Activity	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0333
	Hauling	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0028
	Total	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0371
Fairfax/3rd/Beverly	Equipment	0.0008	0.0035	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0000	0.0000
	Activity	0.0221	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0000	0.0000
	Hauling	0.0022	0.0552	0.0539	0.0539	0.0539	0.0539	0.0539	0.0539	0.0539	0.0539	0.0000	0.0000
0.1098	Total	0.0251	0.1098	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.0000	0.0000
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0049	0.0049	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0016	0.0045	0.0045	0.0045	0.0045	0.0045	0.0052	0.0052	0.0052	0.0052
	Activity	0.0000	0.0000	0.0264	0.0429	0.0429	0.0429	0.0429	0.0429	0.0430	0.0430	0.0430	0.0430
	Hauling	0.0000	0.0000	0.0016	0.0717	0.0717	0.0717	0.0717	0.0717	0.0733	0.0733	0.0733	0.0733
	Total	0.0000	0.0000	0.0295	0.1191	0.1191	0.1191	0.1191	0.1191	0.1214	0.1214	0.1214	0.1214
Fairfax/Santa Monica Stati	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.1025	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0052	0.0079	0.0091	0.0120	0.0120	0.0120	0.0120	0.0091	0.0098	0.0098	0.0066	0.0064
TOTALS	Activity	0.1167	0.1457	0.1721	0.1886	0.1886	0.1886	0.1886	0.1424	0.1424	0.1424	0.0914	0.0763
	Hauling	0.0852	0.1382	0.1384	0.2084	0.2084	0.2084	0.2084	0.1551	0.1567	0.1567	0.1028	0.0805
0.4091	Total	0.207	0.292	0.320	0.409	0.409	0.4091	0.4091	0.3066	0.3090	0.309	0.201	0.163
YEARLY TOTALS		3.743											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1098	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0011	0.0011	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0264	0.0264	0.0264	0.0264	0.0264
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0879	0.0879	0.0879	0.0879	0.0879
	Total	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.1154	0.1154	0.1154	0.1154	0.1154
La Brea/Santa Monica	Equipment	0.0052	0.0052	0.0052	0.0052	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Activity	0.0430	0.0430	0.0430	0.0430	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
	Hauling	0.0733	0.0733	0.0733	0.0733	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.1214	0.1214	0.1214	0.1214	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Total	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
All Areas	Equipment	0.0064	0.0064	0.0064	0.0064	0.0035	0.0035	0.0035	0.0044	0.0044	0.0044	0.0044	0.0044
TOTALS	Activity	0.0763	0.0763	0.0763	0.0763	0.0598	0.0598	0.0598	0.0861	0.0861	0.0861	0.0861	0.0861
	Hauling	0.0805	0.0805	0.0805	0.0805	0.0144	0.0144	0.0144	0.0978	0.0978	0.0978	0.0978	0.0978
0.4091	Total	0.163	0.163	0.163	0.163	0.078	0.078	0.0776	0.1884	0.188	0.188	0.188	0.188
YEARLY TOTALS		1.828											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.1098	Total	0.0000	0.0000	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
Hollywood/Highland	Equipment	0.0011	0.0011	0.0011	0.0021	0.0021	0.0021	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010
	Activity	0.0264	0.0264	0.0264	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0157
	Hauling	0.0879	0.0879	0.0879	0.0045	0.0045	0.0045	0.0032	0.0032	0.0032	0.0032	0.0032	0.0008
	Total	0.1154	0.1154	0.1154	0.0223	0.0223	0.0223	0.0203	0.0203	0.0203	0.0203	0.0203	0.0175
La Brea/Santa Monica	Equipment	0.0022	0.0022	0.0022	0.0023	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0264	0.0264	0.0264	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0072	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0314	0.0314	0.0314	0.0359	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
Fairfax/Santa Monica Stati	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0228	0.0228	0.0228	0.0228	0.0228
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0362	0.0362	0.0362	0.0362	0.0362
	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0606	0.0606	0.0606	0.0606	0.0606
All Areas	Equipment	0.0044	0.0044	0.0044	0.0056	0.0043	0.0043	0.0036	0.0050	0.0050	0.0050	0.0050	0.0046
TOTALS	Activity	0.0861	0.0861	0.0861	0.0755	0.0491	0.0491	0.0491	0.0719	0.0719	0.0719	0.0719	0.0719
	Hauling	0.0978	0.0978	0.0978	0.0188	0.0223	0.0223	0.0210	0.0529	0.0529	0.0529	0.0529	0.0505
0.4091	Total	0.188	0.188	0.188	0.100	0.076	0.076	0.074	0.130	0.130	0.130	0.130	0.127
YEARLY TOTALS		1.536											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0000
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198
	Hauling	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241
0.1098	Total	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454
Hollywood/Highland	Equipment	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0188	0.0188	0.0188	0.0188
	Hauling	0.0060	0.0060	0.0060	0.0060	0.0060	0.0038	0.0038	0.0190	0.0190	0.0190	0.0190	0.0190
	Total	0.0069	0.0069	0.0069	0.0069	0.0069	0.0049	0.0049	0.0392	0.0392	0.0392	0.0392	0.0392
Fairfax/Santa Monica Stati	Equipment	0.0016	0.0023	0.0023	0.0023	0.0019	0.0019	0.0019	0.0019	0.0007	0.0000	0.0000	0.0000
	Activity	0.0228	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0111	0.0000	0.0000	0.0000
	Hauling	0.0362	0.0041	0.0041	0.0041	0.0028	0.0028	0.0028	0.0028	0.0007	0.0000	0.0000	0.0000
	Total	0.0606	0.0176	0.0176	0.0176	0.0159	0.0159	0.0159	0.0159	0.0125	0.0000	0.0000	0.0000
All Areas	Equipment	0.0046	0.0044	0.0044	0.0044	0.0040	0.0042	0.0055	0.0058	0.0046	0.0039	0.0039	0.0029
TOTALS	Activity	0.0719	0.0445	0.0445	0.0445	0.0445	0.0445	0.0642	0.0831	0.0830	0.0719	0.0719	0.0386
	Hauling	0.0505	0.0176	0.0176	0.0176	0.0163	0.0141	0.0335	0.0487	0.0466	0.0459	0.0459	0.0431
0.4091	Total	0.127	0.066	0.066	0.066	0.065	0.063	0.103	0.138	0.134	0.122	0.122	0.085
YEARLY TOTALS		1.157											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0026	0.0023	0.0023	0.0019	0.0019	0.0019	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000
	Activity	0.0312	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0115	0.0000	0.0000	0.0000
	Hauling	0.0261	0.0042	0.0042	0.0029	0.0029	0.0029	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000
0.1098	Total	0.0599	0.0180	0.0180	0.0163	0.0163	0.0163	0.0163	0.0128	0.0128	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0017	0.0026	0.0023	0.0023	0.0020	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0188	0.0198	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0200	0.0060	0.0050	0.0050	0.0028	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0405	0.0284	0.0271	0.0271	0.0246	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0043	0.0049	0.0046	0.0042	0.0039	0.0032	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000
TOTALS	Activity	0.0501	0.0313	0.0313	0.0313	0.0313	0.0313	0.0115	0.0115	0.0115	0.0000	0.0000	0.0000
	Hauling	0.0461	0.0102	0.0092	0.0079	0.0057	0.0041	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000
0.4091	Total	0.100	0.046	0.045	0.043	0.041	0.038	0.016	0.013	0.013	0.000	0.000	0.000
YEARLY TOTALS		0.357											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0405	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
0.0010	Activity	0.0000	0.0000	0.0140	0.0140	0.0140	0.0270	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0008	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0152	0.0152	0.0152	0.0289	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005
0.0021	Activity	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0277	0.0131	0.0131	0.0131
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0011	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0298	0.0137	0.0137	0.0137
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0015	0.0010	0.0010	0.0016	0.0011	0.0011	0.0011
TOTALS	Activity	0.0000	0.0000	0.0140	0.0140	0.0286	0.0416	0.0277	0.0277	0.0407	0.0261	0.0261	0.0261
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0017	0.0018	0.0011	0.0011	0.0011	0.0002	0.0002	0.0002
0.1541	Total	0.000	0.000	0.015	0.015	0.031	0.045	0.030	0.030	0.043	0.027	0.027	0.027
YEARLY TOTALS		0.292											

$PM_{2.5}$ TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
0.0405	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082
Hollywood/Highland	Equipment	0.0005	0.0005	0.0005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0019	0.0023	0.0004
0.0010	Activity	0.0130	0.0130	0.0130	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0147	0.0147	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0043	0.0044	0.0001
	Total	0.0137	0.0137	0.0137	0.0346	0.0346	0.0346	0.0346	0.0346	0.0346	0.0210	0.0215	0.0005
La Brea/Santa Monica	Equipment	0.0020	0.0022	0.0022	0.0033	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
0.0021	Activity	0.0239	0.0239	0.0239	0.0393	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
	Hauling	0.0009	0.0011	0.0011	0.0025	0.0024	0.0024	0.0024	0.0024	0.0024	0.0025	0.0024	0.0024
	Total	0.0268	0.0272	0.0272	0.0450	0.0313	0.0313	0.0313	0.0313	0.0313	0.0315	0.0313	0.0313
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
All Areas	Equipment	0.0025	0.0028	0.0028	0.0058	0.0052	0.0052	0.0052	0.0055	0.0055	0.0050	0.0053	0.0037
TOTALS	Activity	0.0369	0.0370	0.0370	0.0670	0.0539	0.0539	0.0539	0.0616	0.0616	0.0486	0.0486	0.0415
	Hauling	0.0010	0.0012	0.0012	0.0069	0.0068	0.0068	0.0068	0.0071	0.0071	0.0071	0.0072	0.0032
0.1541	Total	0.040	0.041	0.041	0.080	0.066	0.066	0.066	0.074	0.074	0.061	0.061	0.048
YEARLY TOTALS		0.718											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0326
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0003	0.0003	0.0008	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025
0.0008	Activity	0.0077	0.0077	0.0077	0.0077	0.0207	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0004	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011
0.0405	Total	0.0082	0.0082	0.0082	0.0082	0.0219	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283
Hollywood/Highland	Equipment	0.0004	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0000	0.0000	0.0000
	Total	0.0005	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0027	0.0027	0.0028	0.0028	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
0.0021	Activity	0.0262	0.0262	0.0262	0.0262	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081
	Hauling	0.0024	0.0024	0.0024	0.0024	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Total	0.0313	0.0313	0.0314	0.0314	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168	0.0168
Fairfax/Santa Monica Stati	Equipment	0.0003	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027
0.0007	Activity	0.0077	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0263	0.0263
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0079	0.0079
	Total	0.0082	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0369	0.0369
All Areas	Equipment	0.0037	0.0090	0.0091	0.0091	0.0113	0.0110	0.0110	0.0112	0.0112	0.0057	0.0077	0.0090
TOTALS	Activity	0.0415	0.1001	0.1001	0.1001	0.1067	0.0990	0.0990	0.0990	0.0990	0.0457	0.0589	0.0916
	Hauling	0.0032	0.0258	0.0258	0.0258	0.0305	0.0302	0.0302	0.0303	0.0303	0.0073	0.0150	0.0189
0.1541	Total	0.048	0.135	0.135	0.135	0.148	0.140	0.140	0.141	0.141	0.059	0.082	0.119
YEARLY TOTALS		1.423											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010
0.0005	Activity	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0251
	Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0003
	Total	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0264
Fairfax/3rd/Beverly	Equipment	0.0007	0.0032	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000
0.0008	Activity	0.0130	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0000	0.0000
	Hauling	0.0002	0.0082	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0000	0.0000
0.0405	Total	0.0140	0.0405	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0000	0.0000
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0009	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0015	0.0041	0.0041	0.0041	0.0041	0.0041	0.0048	0.0048	0.0048	0.0048
0.0021	Activity	0.0000	0.0000	0.0156	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241
	Hauling	0.0000	0.0000	0.0002	0.0105	0.0105	0.0105	0.0105	0.0105	0.0107	0.0107	0.0107	0.0107
	Total	0.0000	0.0000	0.0173	0.0387	0.0387	0.0387	0.0387	0.0387	0.0396	0.0396	0.0396	0.0396
Fairfax/Santa Monica Stati	Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0369	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0048	0.0073	0.0085	0.0111	0.0111	0.0111	0.0111	0.0084	0.0091	0.0091	0.0061	0.0060
TOTALS	Activity	0.0719	0.0880	0.1036	0.1122	0.1122	0.1122	0.1122	0.0859	0.0859	0.0859	0.0568	0.0492
	Hauling	0.0126	0.0205	0.0206	0.0309	0.0309	0.0309	0.0309	0.0229	0.0231	0.0231	0.0150	0.0117
0.1541	Total	0.089	0.116	0.133	0.154	0.154	0.154	0.154	0.117	0.1181	0.1181	0.078	0.067
YEARLY TOTALS		1.453											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0405	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0146
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0130	0.0130	0.0130	0.0130	0.0130
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0286	0.0286	0.0286	0.0286	0.0286
La Brea/Santa Monica	Equipment	0.0048	0.0048	0.0048	0.0048	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
0.0021	Activity	0.0241	0.0241	0.0241	0.0241	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156
	Hauling	0.0107	0.0107	0.0107	0.0107	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0396	0.0396	0.0396	0.0396	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
All Areas	Equipment	0.0060	0.0060	0.0060	0.0060	0.0034	0.0034	0.0034	0.0043	0.0043	0.0043	0.0043	0.0043
TOTALS	Activity	0.0492	0.0492	0.0492	0.0492	0.0406	0.0406	0.0406	0.0552	0.0552	0.0552	0.0552	0.0552
	Hauling	0.0117	0.0117	0.0117	0.0117	0.0020	0.0020	0.0020	0.0143	0.0143	0.0143	0.0143	0.0143
0.1541	Total	0.067	0.067	0.067	0.067	0.046	0.046	0.046	0.0738	0.0738	0.074	0.074	0.074
YEARLY TOTALS		0.774											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
0.0405	Total	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Hollywood/Highland	Equipment	0.0010	0.0010	0.0010	0.0019	0.0019	0.0019	0.0012	0.0012	0.0012	0.0012	0.0012	0.0009
0.0010	Activity	0.0146	0.0146	0.0146	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
	Hauling	0.0130	0.0130	0.0130	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001
	Total	0.0286	0.0286	0.0286	0.0117	0.0117	0.0117	0.0109	0.0109	0.0109	0.0109	0.0109	0.0103
La Brea/Santa Monica	Equipment	0.0021	0.0021	0.0021	0.0023	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0021	Activity	0.0156	0.0156	0.0156	0.0156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0180	0.0180	0.0180	0.0188	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Fairfax/Santa Monica Stati	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131	0.0131	0.0131	0.0131	0.0131
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0053	0.0053	0.0053	0.0053	0.0053
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0198	0.0198	0.0198	0.0198	0.0198
All Areas	Equipment	0.0043	0.0043	0.0043	0.0053	0.0042	0.0042	0.0035	0.0048	0.0048	0.0048	0.0048	0.0044
TOTALS	Activity	0.0552	0.0552	0.0552	0.0499	0.0343	0.0343	0.0343	0.0474	0.0474	0.0474	0.0474	0.0474
	Hauling	0.0143	0.0143	0.0143	0.0024	0.0029	0.0029	0.0028	0.0074	0.0074	0.0074	0.0074	0.0072
0.1541	Total	0.074	0.074	0.074	0.058	0.041	0.041	0.041	0.0596	0.0596	0.060	0.060	0.059
YEARLY TOTALS		0.700											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0000
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035
0.0405	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163
Hollywood/Highland	Equipment	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0011	0.0011	0.0013	0.0013	0.0013	0.0013	0.0013
0.0021	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0109	0.0109	0.0109	0.0109	0.0109
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0004	0.0004	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0017	0.0017	0.0017	0.0017	0.0017	0.0015	0.0015	0.0149	0.0149	0.0149	0.0149	0.0149
Fairfax/Santa Monica Stati	Equipment	0.0015	0.0022	0.0022	0.0022	0.0018	0.0018	0.0018	0.0018	0.0006	0.0000	0.0000	0.0000
0.0007	Activity	0.0131	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0000	0.0000	0.0000
	Total	0.0198	0.0091	0.0091	0.0091	0.0086	0.0086	0.0086	0.0086	0.0073	0.0000	0.0000	0.0000
All Areas	Equipment	0.0044	0.0042	0.0042	0.0042	0.0038	0.0040	0.0052	0.0055	0.0044	0.0037	0.0037	0.0028
TOTALS	Activity	0.0474	0.0316	0.0316	0.0316	0.0316	0.0316	0.0430	0.0540	0.0540	0.0474	0.0474	0.0223
	Hauling	0.0072	0.0023	0.0023	0.0023	0.0021	0.0017	0.0045	0.0067	0.0065	0.0064	0.0064	0.0061
0.1541	Total	0.059	0.038	0.038	0.038	0.038	0.037	0.053	0.066	0.065	0.058	0.058	0.031
YEARLY TOTALS		0.579											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0025	0.0022	0.0022	0.0018	0.0018	0.0018	0.0018	0.0007	0.0007	0.0000	0.0000	0.0000
0.0008	Activity	0.0182	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0000	0.0000	0.0000
	Hauling	0.0037	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000
0.0405	Total	0.0243	0.0094	0.0094	0.0089	0.0089	0.0089	0.0089	0.0075	0.0075	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0016	0.0025	0.0022	0.0022	0.0019	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0021	Activity	0.0109	0.0117	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0006	0.0005	0.0005	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0153	0.0148	0.0144	0.0144	0.0138	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0041	0.0047	0.0044	0.0040	0.0037	0.0029	0.0018	0.0007	0.0007	0.0000	0.0000	0.0000
TOTALS	Activity	0.0291	0.0184	0.0184	0.0184	0.0184	0.0184	0.0068	0.0068	0.0068	0.0000	0.0000	0.0000
	Hauling	0.0064	0.0010	0.0009	0.0008	0.0006	0.0004	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000
0.1541	Total	0.040	0.024	0.024	0.023	0.023	0.022	0.009	0.007	0.007	0.000	0.000	0.000
YEARLY TOTALS		0.179											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0043	0.0043	0.0043	0.0103	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0007	0.0007	0.0007	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0050	0.0050	0.0050	0.0111	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0105	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0115	0.0061	0.0061	0.0061
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0043	0.0043	0.0088	0.0148	0.0105	0.0105	0.0165	0.0120	0.0120	0.0120
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0007	0.0007	0.0016	0.0016	0.0009	0.0009	0.0010	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.005	0.005	0.010	0.016	0.011	0.011	0.018	0.012	0.012	0.012
YEARLY TOTALS		0.114											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026
Hollywood/Highland	Equipment	0.0060	0.0060	0.0060	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0131	0.0153	0.0022
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001
	Total	0.0061	0.0061	0.0061	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0168	0.0192	0.0023
La Brea/Santa Monica	Equipment	0.0157	0.0170	0.0170	0.0122	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0009	0.0009	0.0022	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0166	0.0180	0.0180	0.0144	0.0083	0.0083	0.0083	0.0083	0.0083	0.0089	0.0083	0.0083
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
All Areas	Equipment	0.0218	0.0231	0.0231	0.0313	0.0253	0.0253	0.0253	0.0276	0.0276	0.0222	0.0238	0.0131
TOTALS	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0009	0.0010	0.0010	0.0059	0.0059	0.0059	0.0059	0.0061	0.0061	0.0061	0.0062	0.0027
	Total	0.023	0.024	0.024	0.037	0.031	0.031	0.031	0.034	0.034	0.028	0.030	0.016
YEARLY TOTALS		0.344											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0154
Fairfax/3rd/Beverly	Equipment	0.0024	0.0024	0.0024	0.0024	0.0084	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009
	Total	0.0026	0.0026	0.0026	0.0026	0.0087	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197
Hollywood/Highland	Equipment	0.0022	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000
	Activity	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0000	0.0000	0.0000
	Total	0.0023	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0062	0.0062	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0083	0.0083	0.0088	0.0088	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118	0.0118
Fairfax/Santa Monica Stati	Equipment	0.0024	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0067	0.0067
	Total	0.0026	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0129	0.0129
All Areas	Equipment	0.0131	0.0270	0.0274	0.0274	0.0451	0.0427	0.0427	0.0438	0.0438	0.0314	0.0304	0.0438
TOTALS	Activity	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0001	0.0002	0.0003
	Hauling	0.0027	0.0217	0.0217	0.0217	0.0254	0.0252	0.0252	0.0253	0.0253	0.0060	0.0125	0.0157
	Total	0.016	0.049	0.049	0.049	0.071	0.068	0.068	0.070	0.070	0.038	0.043	0.060
YEARLY TOTALS		0.651											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0076
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0002
	Total	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0079
Fairfax/3rd/Beverly	Equipment	0.0071	0.0080	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0000	0.0000
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0002	0.0066	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000
	Total	0.0073	0.0146	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0000	0.0000
Hollywood/Highland	Equipment	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0018	0.0018	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0030	0.0093	0.0093	0.0093	0.0093	0.0093	0.0130	0.0130	0.0130	0.0130
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0002	0.0084	0.0084	0.0084	0.0084	0.0084	0.0085	0.0085	0.0085	0.0085
	Total	0.0000	0.0000	0.0032	0.0178	0.0178	0.0178	0.0178	0.0178	0.0217	0.0217	0.0217	0.0217
Fairfax/Santa Monica Stati	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0267	0.0275	0.0291	0.0353	0.0353	0.0353	0.0353	0.0292	0.0329	0.0329	0.0260	0.0215
TOTALS	Activity	0.0002	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0002	0.0002
	Hauling	0.0105	0.0169	0.0170	0.0253	0.0253	0.0253	0.0253	0.0186	0.0187	0.0187	0.0122	0.0094
	Total	0.037	0.045	0.046	0.061	0.061	0.061	0.061	0.048	0.052	0.052	0.038	0.031
YEARLY TOTALS		0.594											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0073	0.0073	0.0073	0.0073	0.0073
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0101	0.0101	0.0101	0.0101	0.0101
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0176	0.0176	0.0176	0.0176	0.0176
La Brea/Santa Monica	Equipment	0.0130	0.0130	0.0130	0.0130	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0085	0.0085	0.0085	0.0085	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0217	0.0217	0.0217	0.0217	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
All Areas	Equipment	0.0215	0.0215	0.0215	0.0215	0.0154	0.0154	0.0154	0.0219	0.0219	0.0219	0.0219	0.0219
TOTALS	Activity	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0094	0.0094	0.0094	0.0094	0.0016	0.0016	0.0016	0.0111	0.0111	0.0111	0.0111	0.0111
	Total	0.031	0.031	0.031	0.031	0.017	0.017	0.017	0.033	0.033	0.033	0.033	0.033
YEARLY TOTALS		0.341											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
Hollywood/Highland	Equipment	0.0073	0.0073	0.0073	0.0193	0.0193	0.0193	0.0130	0.0130	0.0130	0.0130	0.0130	0.0093
	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0101	0.0101	0.0101	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0176	0.0176	0.0176	0.0195	0.0195	0.0195	0.0132	0.0132	0.0132	0.0132	0.0132	0.0093
La Brea/Santa Monica	Equipment	0.0061	0.0061	0.0061	0.0070	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0064	0.0064	0.0064	0.0077	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
Fairfax/Santa Monica Stati	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0149	0.0149	0.0149	0.0149	0.0149
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0040	0.0040	0.0040	0.0040	0.0040
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0189	0.0189	0.0189	0.0189	0.0189
All Areas	Equipment	0.0219	0.0219	0.0219	0.0347	0.0332	0.0332	0.0269	0.0410	0.0410	0.0410	0.0410	0.0373
TOTALS	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0111	0.0111	0.0111	0.0018	0.0022	0.0022	0.0021	0.0056	0.0056	0.0056	0.0056	0.0054
	Total	0.033	0.033	0.033	0.036	0.035	0.035	0.029	0.047	0.047	0.047	0.047	0.043
YEARLY TOTALS		0.465											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000
Fairfax/3rd/Beverly	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0175	0.0175	0.0175	0.0175	0.0175	0.0175
Hollywood/Highland	Equipment	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0073	0.0073	0.0086	0.0086	0.0086	0.0086	0.0086
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0002	0.0002	0.0019	0.0019	0.0019	0.0019	0.0019
	Total	0.0052	0.0052	0.0052	0.0052	0.0052	0.0075	0.0075	0.0106	0.0106	0.0106	0.0106	0.0106
Fairfax/Santa Monica Stati	Equipment	0.0149	0.0234	0.0234	0.0234	0.0199	0.0199	0.0199	0.0199	0.0066	0.0000	0.0000	0.0000
	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0040	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000
	Total	0.0189	0.0236	0.0236	0.0236	0.0200	0.0200	0.0200	0.0200	0.0066	0.0000	0.0000	0.0000
All Areas	Equipment	0.0373	0.0364	0.0364	0.0364	0.0329	0.0356	0.0497	0.0510	0.0378	0.0312	0.0312	0.0235
TOTALS	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0054	0.0016	0.0016	0.0016	0.0016	0.0012	0.0032	0.0049	0.0047	0.0047	0.0047	0.0044
	Total	0.043	0.038	0.038	0.038	0.035	0.037	0.053	0.056	0.043	0.036	0.036	0.028
YEARLY TOTALS		0.480											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0252	0.0238	0.0238	0.0203	0.0203	0.0203	0.0203	0.0068	0.0068	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0279	0.0241	0.0241	0.0205	0.0205	0.0205	0.0205	0.0068	0.0068	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0113	0.0217	0.0189	0.0189	0.0154	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0004	0.0003	0.0003	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0133	0.0221	0.0193	0.0193	0.0156	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0365	0.0455	0.0427	0.0392	0.0357	0.0320	0.0203	0.0068	0.0068	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0006	0.0006	0.0005	0.0004	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.041	0.046	0.043	0.040	0.036	0.032	0.020	0.007	0.007	0.000	0.000	0.000
YEARLY TOTALS		0.273											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood/Highland	Equipment	-	-	32	32	32	63	31	31	31	31	31	31
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	16	16	16	19	4	4	4	4	4	4
	Total	-	-	48	48	48	83	35	35	35	35	35	35
La Brea/Santa Monica	Equipment	-	-	-	-	33	33	33	33	64	31	31	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	20	20	20	20	23	4	4	4
	Total	-	-	-	-	53	53	53	53	88	35	35	35
Fairfax/Santa Monica Stat	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	31.7002	31.7002	64.7972	96.0505	64.3503	64.3503	95.7177	62.6207	62.6207	62.6207
TOTALS	Activity	0.0000	0.0000	0.0529	0.0529	0.1181	0.1303	0.0774	0.0774	0.0897	0.0244	0.0244	0.0244
	Hauling	-	-	16	16	36	39	23	23	27	7	7	7
	Total	-	-	48	48	101	135	88	88	123	70	70	70
YEARLY TOTALS		838.503											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	-	17
	Activity	-	-	-	-	-	-	-	-	-	-	-	0
	Hauling	-	-	-	-	-	-	-	-	-	-	-	6
	Total	-	-	-	-	-	-	-	-	-	-	-	24
Hollywood/Highland	Equipment	31	31	31	237	237	237	237	237	237	206	254	48
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	4	4	4	93	93	93	93	93	93	89	94	5
	Total	35	35	35	330	330	330	330	330	330	295	348	53
La Brea/Santa Monica	Equipment	136	163	163	105	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	26	26	52	49	49	49	49	49	51	49	49
	Total	156	190	190	157	122	122	122	122	122	143	122	122
Fairfax/Santa Monica Stat	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	17.4377	17.4377	17.4377	17.4377	17.4377
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0209	0.0209	0.0209	0.0209	0.0209
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	6.3121	6.3121	6.3121	6.3121	6.3121
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	23.7708	23.7708	23.7708	23.7708	23.7708
All Areas	Equipment	166.8101	194.6921	194.6921	341.6807	310.3134	310.3134	310.3134	327.7511	327.7511	314.7233	344.2955	155.9150
TOTALS	Activity	0.0808	0.1010	0.1010	0.4818	0.4696	0.4696	0.4696	0.4905	0.4905	0.4872	0.4957	0.2209
	Hauling	24	30	30	145	141	141	141	148	148	147	149	66
	Total	191	225	225	487	452	452	452	476	476	462	494	223
YEARLY TOTALS		4614.236											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	63
	Activity	-	-	-	-	-	-	-	-	-	-	-	0
	Hauling	-	-	-	-	-	-	-	-	-	-	-	75
	Total	-	-	-	-	-	-	-	-	-	-	-	139
Fairfax/3rd/Beverly	Equipment	17	17	17	17	49	31	31	31	169	169	169	193
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	6	6	6	10	3	3	3	21	21	21	26
	Total	24	24	24	24	58	35	35	35	190	190	190	219
Hollywood/Highland	Equipment	48	147	147	147	147	147	147	147	147	-	-	-
	Activity	0	2	2	2	2	2	2	2	2	-	-	-
	Hauling	5	464	464	464	464	464	464	464	464	-	-	-
	Total	53	612	612	612	612	612	612	612	612	-	-	-
La Brea/Santa Monica	Equipment	73	73	92	92	232	232	232	232	232	232	232	232
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	49	49	50	50	129	129	129	129	129	129	129	129
	Total	122	122	142	142	361	361	361	361	361	361	361	361
Fairfax/Santa Monica Stat	Equipment	17.4377	31.2440	31.2440	31.2440	168.6353	168.6353	168.6353	192.5342	55.1429	55.1429	72.8173	72.8173
	Activity	0.0209	0.0113	0.0113	0.0113	0.0703	0.0703	0.0703	0.0870	0.0280	0.0280	0.5312	0.5312
	Hauling	6.3121	3.2888	3.2888	3.2888	21.0744	21.0744	21.0744	25.9575	8.1718	8.1718	160.1368	160.1368
	Total	23.7708	34.5440	34.5440	34.5440	189.7801	189.7801	189.7801	218.5787	63.3427	63.3427	233.4853	233.4853
All Areas	Equipment	155.9150	268.8790	287.5298	287.5298	595.8792	578.4415	578.4415	602.3404	602.3404	455.3849	473.0593	560.3978
TOTALS	Activity	0.2209	1.7324	1.7362	1.7362	2.0709	2.0499	2.0499	2.0667	2.0667	0.5282	1.0314	1.2975
	Hauling	66	522	523	523	624	617	617	622	622	158	310	390
	Total	223	793	812	812	1,222	1,198	1,198	1,227	1,227	614	784	952
YEARLY TOTALS		11061.339											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	63	63	63	63	63	63	63	63	63	63	63	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	75	75	75	75	75	75	75	75	75	75	75	9
	Total	139	139	139	139	139	139	139	139	139	139	139	113
Fairfax/3rd/Beverly	Equipment	55	105	81	81	81	81	81	81	81	81	-	-
	Activity	0	1	1	1	1	1	1	1	1	1	-	-
	Hauling	8	166	161	161	161	161	161	161	161	161	-	-
	Total	63	271	242	242	242	242	242	242	242	242	-	-
Hollywood/Highland	Equipment	53	53	39	39	39	39	39	39	39	39	39	39
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	13	13	13	13	13	13	13	13	13	13
	Total	67	67	52	52	52	52	52	52	52	52	52	52
La Brea/Santa Monica	Equipment	-	-	97	310	310	310	310	310	422	422	422	422
	Activity	-	-	0	1	1	1	1	1	1	1	1	1
	Hauling	-	-	5	216	216	216	216	216	222	222	222	222
	Total	-	-	102	527	527	527	527	527	645	645	645	645
Fairfax/Santa Monica Stat	Equipment	72.8173	72.8173	72.8173	72.8173	72.8173	72.8173	72.8173	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.5312	0.5312	0.5312	0.5312	0.5312	0.5312	0.5312	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	160.1368	160.1368	160.1368	160.1368	160.1368	160.1368	160.1368	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	233.4853	233.4853	233.4853	233.4853	233.4853	233.4853	233.4853	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	244.0979	293.7620	353.2019	566.0772	566.0772	566.0772	566.0772	493.2599	605.3255	605.3255	524.4174	564.7103
TOTALS	Activity	0.8549	1.3769	1.3750	2.0762	2.0762	2.0762	2.0762	1.5450	1.5652	1.5652	1.0320	0.8143
	Hauling	257	415	414	625	625	625	625	465	471	471	310	245
	Total	502	710	769	1,193	1,193	1,193	1,193	960	1,078	1,078	836	810
YEARLY TOTALS		11517.270											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood/Highland	Equipment	39	39	39	39	39	39	39	66	66	66	66	66
	Activity	0	0	0	0	0	0	0	1	1	1	1	1
	Hauling	13	13	13	13	13	13	13	262	262	262	262	262
	Total	52	52	52	52	52	52	52	328	328	328	328	328
La Brea/Santa Monica	Equipment	422	422	422	422	181	181	181	181	181	181	181	181
	Activity	1	1	1	1	0	0	0	0	0	0	0	0
	Hauling	222	222	222	222	9	9	9	9	9	9	9	9
	Total	645	645	645	645	191	191	191	191	191	191	191	191
Fairfax/Santa Monica Stat	Equipment	0.0000	0.0000	0.0000	0.0000	37.7916	37.7916	37.7916	37.7916	37.7916	37.7916	37.7916	37.7916
	Activity	0.0000	0.0000	0.0000	0.0000	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428
	Hauling	0.0000	0.0000	0.0000	0.0000	12.8895	12.8895	12.8895	12.8895	12.8895	12.8895	12.8895	12.8895
	Total	0.0000	0.0000	0.0000	0.0000	50.7239	50.7239	50.7239	50.7239	50.7239	50.7239	50.7239	50.7239
All Areas	Equipment	564.7103	564.7103	564.7103	564.7103	361.6504	361.6504	361.6504	388.4296	388.4296	388.4296	388.4296	388.4296
TOTALS	Activity	0.8143	0.8143	0.8143	0.8143	0.1504	0.1504	0.1504	0.9758	0.9758	0.9758	0.9758	0.9758
	Hauling	245	245	245	245	45	45	45	293	293	293	293	293
	Total	810	810	810	810	407	407	407	683	683	683	683	683
YEARLY TOTALS		7874.886											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
Fairfax/3rd/Beverly	Equipment	-	-	-	-	40	40	40	40	40	40	40	40
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	14	14	14	14	14	14	14	14
	Total	-	-	-	-	54	54	54	54	54	54	54	54
Hollywood/Highland	Equipment	66	66	66	136	136	136	79	79	79	79	79	58
	Activity	1	1	1	0	0	0	0	0	0	0	0	0
	Hauling	262	262	262	16	16	16	11	11	11	11	11	3
	Total	328	328	328	151	151	151	90	90	90	90	90	61
La Brea/Santa Monica	Equipment	181	181	181	220	150	150	150	150	150	150	150	150
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	22	19	19	19	19	19	19	19	19
	Total	191	191	191	242	169	169	169	169	169	169	169	169
Fairfax/Santa Monica Stat	Equipment	37.7916	37.7916	37.7916	37.7916	37.7916	37.7916	37.7916	76.0080	76.0080	76.0080	76.0080	76.0080
	Activity	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.3587	0.3587	0.3587	0.3587	0.3587
	Hauling	12.8895	12.8895	12.8895	12.8895	12.8895	12.8895	12.8895	107.8299	107.8299	107.8299	107.8299	107.8299
	Total	50.7239	50.7239	50.7239	50.7239	50.7239	50.7239	50.7239	184.1966	184.1966	184.1966	184.1966	184.1966
All Areas	Equipment	388.4296	388.4296	388.4296	496.9364	467.9231	467.9231	411.0903	449.3067	449.3067	449.3067	449.3067	427.9439
TOTALS	Activity	0.9758	0.9758	0.9758	0.2022	0.2363	0.2363	0.2211	0.5371	0.5371	0.5371	0.5371	0.5088
	Hauling	293	293	293	60	70	70	66	161	161	161	161	153
	Total	683	683	683	557	539	539	477	611	611	611	611	581
YEARLY TOTALS		7183.806											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	-
	Activity	0	0	0	0	0	0	0	0	0	0	0	-
	Hauling	9	9	9	9	9	9	9	9	9	9	9	-
	Total	113	113	113	113	113	113	113	113	113	113	113	-
Fairfax/3rd/Beverly	Equipment	40	40	40	40	40	40	75	75	75	75	75	75
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	14	14	14	14	72	72	72	72	72	72
	Total	54	54	54	54	54	54	146	146	146	146	146	146
Hollywood/Highland	Equipment	58	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	3	-	-	-	-	-	-	-	-	-	-	-
	Total	61	-	-	-	-	-	-	-	-	-	-	-
La Brea/Santa Monica	Equipment	150	150	150	150	150	132	132	149	149	149	149	149
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	13	13	58	58	58	58	58
	Total	169	169	169	169	169	146	146	207	207	207	207	207
Fairfax/Santa Monica Stat	Equipment	76.0080	126.4837	126.4837	126.4837	96.7861	96.7861	96.7861	96.7861	40.8224	0.0000	0.0000	0.0000
	Activity	0.3587	0.0479	0.0479	0.0479	0.0331	0.0331	0.0331	0.0331	0.0076	0.0000	0.0000	0.0000
	Hauling	107.8299	14.0140	14.0140	14.0140	9.6773	9.6773	9.6773	9.6773	2.2116	0.0000	0.0000	0.0000
	Total	184.1966	140.5456	140.5456	140.5456	106.4964	106.4964	106.4964	106.4964	43.0416	0.0000	0.0000	0.0000
All Areas	Equipment	427.9439	420.7624	420.7624	420.7624	391.0648	373.0712	407.2801	424.1056	368.1420	327.3196	327.3196	223.5870
TOTALS	Activity	0.5088	0.1882	0.1882	0.1882	0.1734	0.1557	0.3488	0.4968	0.4713	0.4638	0.4638	0.4321
	Hauling	153	56	56	56	52	46	104	149	141	139	139	130
	Total	581	477	477	477	443	419	512	573	510	467	467	354
YEARLY TOTALS		5755.136											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	146	129	129	99	99	99	99	42	42	-	-	-
	Activity	0	0	0	0	0	0	0	0	0	-	-	-
	Hauling	78	14	14	10	10	10	10	2	2	-	-	-
	Total	225	143	143	109	109	109	109	44	44	-	-	-
Hollywood/Highland	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
La Brea/Santa Monica	Equipment	172	228	205	205	185	73	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	61	21	17	17	10	4	-	-	-	-	-	-
	Total	234	248	222	222	194	76	-	-	-	-	-	-
Fairfax/Santa Monica Stat	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	318.3456	356.5037	333.4055	303.7079	283.5319	171.4664	98.9439	41.9627	41.9627	0.0000	0.0000	0.0000
TOTALS	Activity	0.4660	0.1179	0.1064	0.0916	0.0663	0.0460	0.0329	0.0076	0.0076	0.0000	0.0000	0.0000
	Hauling	139	35	31	27	19	13	10	2	2	-	-	-
	Total	458	391	365	331	303	185	109	44	44	-	-	-
YEARLY TOTALS		2229.671											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0004	0.0004	0.0004	0.0008	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0006	0.0009	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0003	0.0004	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.008											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
Hollywood/Highland	Equipment	0.0003	0.0003	0.0003	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0018	0.0023	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0000
	Total	0.0003	0.0003	0.0003	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0026	0.0031	0.0005
La Brea/Santa Monica	Equipment	0.0013	0.0015	0.0015	0.0009	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004
	Total	0.0015	0.0018	0.0018	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0012	0.0010	0.0010
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
All Areas	Equipment	0.0016	0.0018	0.0018	0.0030	0.0027	0.0027	0.0027	0.0029	0.0029	0.0028	0.0030	0.0014
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0003	0.0003	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0014	0.0006
	Total	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.002
YEARLY TOTALS		0.041											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0002	0.0002	0.0005	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002
	Total	0.0002	0.0002	0.0002	0.0002	0.0005	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021
Hollywood/Highland	Equipment	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0000	0.0000	0.0000
	Total	0.0005	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0006	0.0006	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0005	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.0010	0.0010	0.0012	0.0012	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
Fairfax/Santa Monica Stati	Equipment	0.0002	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0015	0.0015
	Total	0.0002	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0021	0.0021
All Areas	Equipment	0.0014	0.0023	0.0024	0.0024	0.0043	0.0041	0.0041	0.0043	0.0043	0.0031	0.0032	0.0040
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0047	0.0047	0.0047	0.0057	0.0056	0.0056	0.0057	0.0057	0.0014	0.0028	0.0035
	Total	0.002	0.007	0.007	0.007	0.010	0.010	0.010	0.010	0.010	0.005	0.006	0.008
YEARLY TOTALS		0.091											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010
Fairfax/3rd/Beverly	Equipment	0.0005	0.0009	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000
	Total	0.0006	0.0024	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000
Hollywood/Highland	Equipment	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.0000	0.0000	0.0004	0.0032	0.0032	0.0032	0.0032	0.0032	0.0043	0.0043	0.0043	0.0043
Fairfax/Santa Monica Stati	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0021	0.0025	0.0025	0.0033	0.0033	0.0033	0.0033	0.0027	0.0038	0.0038	0.0031	0.0035
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0038	0.0038	0.0057	0.0057	0.0057	0.0057	0.0042	0.0043	0.0043	0.0028	0.0022
	Total	0.004	0.006	0.006	0.009	0.009	0.009	0.009	0.007	0.008	0.008	0.006	0.006
YEARLY TOTALS		0.088											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0024	0.0024	0.0024	0.0024	0.0024
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0029	0.0029	0.0029	0.0029	0.0029
La Brea/Santa Monica	Equipment	0.0023	0.0023	0.0023	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0043	0.0043	0.0043	0.0043	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
All Areas	Equipment	0.0035	0.0035	0.0035	0.0035	0.0027	0.0027	0.0027	0.0030	0.0030	0.0030	0.0030	0.0030
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0022	0.0022	0.0004	0.0004	0.0004	0.0027	0.0027	0.0027	0.0027	0.0027
	Total	0.006	0.006	0.006	0.006	0.003	0.003	0.003	0.006	0.006	0.006	0.006	0.006
YEARLY TOTALS		0.060											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Hollywood/Highland	Equipment	0.0006	0.0006	0.0006	0.0013	0.0013	0.0013	0.0007	0.0007	0.0007	0.0007	0.0007	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0024	0.0024	0.0024	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0029	0.0029	0.0029	0.0014	0.0014	0.0014	0.0009	0.0009	0.0009	0.0009	0.0009	0.0006
La Brea/Santa Monica	Equipment	0.0012	0.0012	0.0012	0.0015	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0013	0.0013	0.0017	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Fairfax/Santa Monica Stati	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0017	0.0017	0.0017	0.0017	0.0017
All Areas TOTALS	Equipment	0.0030	0.0030	0.0030	0.0040	0.0041	0.0041	0.0035	0.0039	0.0039	0.0039	0.0039	0.0037
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0027	0.0006	0.0006	0.0006	0.0006	0.0015	0.0015	0.0015	0.0015	0.0014
	Total	0.006	0.006	0.006	0.005	0.005	0.005	0.004	0.005	0.005	0.005	0.005	0.005
YEARLY TOTALS		0.062											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
Hollywood/Highland	Equipment	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0012	0.0012	0.0014	0.0014	0.0014	0.0014	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0014	0.0019	0.0019	0.0019	0.0019	0.0019
Fairfax/Santa Monica Stati	Equipment	0.0007	0.0012	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0004	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0017	0.0013	0.0013	0.0013	0.0010	0.0010	0.0010	0.0010	0.0004	0.0000	0.0000	0.0000
All Areas	Equipment	0.0037	0.0037	0.0037	0.0037	0.0034	0.0034	0.0038	0.0039	0.0034	0.0030	0.0030	0.0020
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0005	0.0005	0.0005	0.0005	0.0004	0.0010	0.0014	0.0013	0.0013	0.0013	0.0012
	Total	0.005	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.004	0.004	0.003
YEARLY TOTALS		0.052											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0014	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0013	0.0013	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0016	0.0021	0.0019	0.0019	0.0017	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0002	0.0002	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0023	0.0021	0.0021	0.0018	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Stati	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0029	0.0034	0.0031	0.0029	0.0027	0.0016	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0003	0.0003	0.0003	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.004	0.004	0.003	0.003	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.021											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 2	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2043	12/31/2043	2043	261	5	40	1	115	4	44735	0	3	1	0.000	0.033	0.001	13	0.000	0.001	0.000
Section 2	MSF	1/1/2044	12/31/2044	2044	261	40	40	9	913	31	356908	4	21	8	0.002	0.263	0.009	103	0.001	0.006	0.002
Section 2	MSF	1/1/2045	12/31/2045	2045	260	55	40	12	1251	42	489615	5	28	11	0.003	0.358	0.012	140	0.001	0.008	0.003
Section 2	MSF	1/1/2046	12/31/2046	2046	261	55	40	11	1246	42	488698	5	28	11	0.003	0.359	0.012	141	0.001	0.008	0.003
Section 2	MSF	1/1/2047	12/31/2047	2047	261	50	40	10	1130	37	443573	4	26	10	0.003	0.325	0.011	128	0.001	0.007	0.003
Section 2	MSF	1/1/2048	12/31/2048	2048	262	10	40	2	225	7	88599	1	5	2	0.001	0.065	0.002	26	0.000	0.001	0.001
Section 2	MSF	1/1/2049	11/8/2049	2049	222	10	40	2	225	7	88501	1	5	2	0.000	0.055	0.002	22	0.000	0.001	0.000
Section 2	Alignment Section	1/14/2041	12/31/2041	2041	252	40	40	9	936	34	360499	4	21	8	0.003	0.260	0.009	100	0.001	0.006	0.002
Section 2	Alignment Section	1/1/2042	12/31/2042	2042	261	150	40	34	3474	123	1346506	13	78	29	0.010	0.999	0.036	387	0.004	0.022	0.008
Section 2	Alignment Section	1/1/2043	12/31/2043	2043	261	225	40	49	5169	180	2013087	20	117	44	0.014	1.487	0.052	579	0.006	0.034	0.013
Section 2	Alignment Section	1/1/2044	12/31/2044	2044	261	250	40	53	5709	196	2230677	22	129	49	0.015	1.642	0.056	642	0.006	0.037	0.014
Section 2	Alignment Section	1/1/2045	12/31/2045	2045	260	230	40	48	5230	177	2047481	20	119	45	0.014	1.499	0.051	587	0.006	0.034	0.013
Section 2	Alignment Section	1/1/2046	12/31/2046	2046	261	250	40	52	5665	190	2221354	22	129	48	0.015	1.630	0.055	639	0.006	0.037	0.014
Section 2	Alignment Section	1/1/2047	12/31/2047	2047	261	200	40	41	4518	150	1774293	18	103	39	0.012	1.300	0.043	510	0.005	0.030	0.011
Section 2	Alignment Section	1/1/2048	12/31/2048	2048	262	155	40	32	3493	115	1373283	14	80	30	0.009	1.009	0.033	397	0.004	0.023	0.009
Section 2	Alignment Section	1/1/2049	11/8/2049	2049	222	40	40	8	901	30	354005	3	21	8	0.002	0.220	0.007	87	0.001	0.005	0.002

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	100	0.0	0.0	0.0
2042	0.0	1.0	0.0	387	0.0	0.0	0.0
2043	0.0	1.5	0.1	592	0.0	0.0	0.0
2044	0.0	1.9	0.1	744	0.0	0.0	0.0
2045	0.0	1.9	0.1	727	0.0	0.0	0.0
2046	0.0	2.0	0.1	780	0.0	0.0	0.0
2047	0.0	1.6	0.1	638	0.0	0.0	0.0
2048	0.0	1.1	0.0	422	0.0	0.0	0.0
2049	0.0	0.3	0.0	108	0.0	0.0	0.0
2050	0.0	0.0	0.0	0	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	13	0.0	0.0	0.0
2044	0.0	0.3	0.0	103	0.0	0.0	0.0
2045	0.0	0.4	0.0	140	0.0	0.0	0.0
2046	0.0	0.4	0.0	141	0.0	0.0	0.0
2047	0.0	0.3	0.0	128	0.0	0.0	0.0
2048	0.0	0.1	0.0	26	0.0	0.0	0.0
2049	0.0	0.1	0.0	22	0.0	0.0	0.0
2050	0.0	0.0	0.0	0	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading and site preparation: New MSF																				
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/17/2043	11/14/2044	13	260	0.037	0.004	0.000	0.000	0.001	25.7	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	11/17/2043	11/14/2044	13	260	0.034	0.028	0.000	0.000	0.003	5.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	8	4	8	11/17/2043	11/14/2044	13	260	0.043	0.009	0.001	0.001	0.006	20.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	11/17/2043	11/14/2044	13	260	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.25	8	2	4	11/17/2043	11/14/2044	13	260	0.035	0.003	0.000	0.000	0.002	5.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/17/2043	11/14/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/17/2043	11/14/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/17/2043	11/14/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/17/2043	11/14/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/17/2043	11/14/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.170*	*0.045*	*0.001*	*0.001*	*0.012*	*63*	*0.001*
Trackwork and Systems: New MSF																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.10	8	1	2	11/15/2044	11/11/2047	37	780	0.008	0.001	0.000	0.000	0.000	5.6	0.000
Excavator-75	Fleet Average	54	Diesel	3	0.38	0.50	8	4	12	11/15/2044	11/11/2047	37	780	0.053	0.045	0.000	0.000	0.005	8.8	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.25	8	2	6	11/15/2044	11/11/2047	37	780	0.034	0.002	0.000	0.000	0.000	10.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	3	0.42	1.00	8	8	24	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Welding Plant-600	Tier 4	380	Diesel	3	0.34	0.70	8	6	17	11/15/2044	11/11/2047	37	780	0.131	0.013	0.001	0.001	0.003	75.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/15/2044	11/11/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.226*	*0.061*	*0.001*	*0.001*	*0.008*	*104*	*0.001*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site preparation: New MSF															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-43	Nov-44	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate		Nov-43	Nov-44	13	260			0.0418	0.0316			
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate		Nov-43	Nov-44	13	260			0.0066	0.0010			
Truck Loading on site - idling	Number of Vehicles	46	12	3.83	Nov-43	Nov-44	13	260	0.0003	0.0002	0.0000	0.0000	0.0000	0.0341	0.0000
Trucks Traveling on site	Number of Vehicles	46	Paved	4.60	Nov-43	Nov-44	13	260	0.0002	0.0008	0.0000	0.0000	0.0000	0.2153	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0484*	*0.0326*	*0.0001*	*0.2494*	*0.0000*
Trackwork and Systems: New MSF															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Nov-47	37	780			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Nov-44	Nov-47	37	780			0.0330	0.0250			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Nov-44	Nov-47	37	780			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0198	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0333*	*0.0251*	*0.0000*	*0.0317*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site preparation: New MSF														
				Nov-43	Nov-44	13	260							
				Nov-43	Nov-44	13	260							
				Nov-43	Nov-44	13	260							
				Nov-43	Nov-44	13	260							
Trucks Traveling to site	Number of Vehicles	46	66	Nov-43	Nov-44	13	260	0.0294	0.1058	0.0250	0.0037	0.0031	75.1662	0.0007
				Nov-43	Nov-44	13	260							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-43	Nov-44	13	260							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-43	Nov-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-43	Nov-44	13	260							
Totals								*0.0294*	*0.1058*	*0.0250*	*0.0037*	*0.0031*	*75.1662*	*0.0007*
Trackwork and Systems: New MSF														
				Nov-44	Nov-47	37	780							
				Nov-44	Nov-47	37	780							
				Nov-44	Nov-47	37	780							
				Nov-44	Nov-47	37	780							
Trucks Traveling to site	Number of Vehicles	2	66	Nov-44	Nov-47	37	780	0.0013	0.0048	0.0011	0.0002	0.0001	3.4185	0.0000
				Nov-44	Nov-47	37	780							
Deliveries Traveling to site	Number of Vehicles	7	66	Nov-44	Nov-47	37	780	0.0008	0.0018	0.0016	0.0002	0.0001	5.9509	0.0001
				Nov-44	Nov-47	37	780							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-44	Nov-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-47	37	780							
Totals								*0.0021*	*0.0066*	*0.0028*	*0.0003*	*0.0002*	*9.3694*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	11/4/2042	5/8/2043	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	11/4/2042	5/8/2043	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	11/4/2042	5/8/2043	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/4/2042	5/8/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	4/24/2043	1/25/2044	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	4/24/2043	1/25/2044	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	4/24/2043	1/25/2044	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/24/2043	1/25/2044	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	4/24/2043	1/25/2044	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/24/2043	1/25/2044	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/24/2043	1/25/2044	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/24/2043	1/25/2044	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/24/2043	1/25/2044	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/24/2043	1/25/2044	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	8/11/2043	12/9/2043	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	8/11/2043	12/9/2043	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	8/11/2043	12/9/2043	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	8/11/2043	12/9/2043	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	8/11/2043	12/9/2043	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	8/11/2043	12/9/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	8/11/2043	12/9/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	8/11/2043	12/9/2043	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	8/11/2043	12/9/2043	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/11/2043	12/9/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/9/2043	2/1/2044	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	11/9/2043	2/1/2044	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	11/9/2043	2/1/2044	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	11/9/2043	2/1/2044	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	11/9/2043	2/1/2044	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2043	2/1/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2043	2/1/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2043	2/1/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/9/2043	2/1/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2043	2/1/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/1/2044	10/31/2044	9	196	0.0103	0.0010	0.0000	0.0000	0.0002	7.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/1/2044	10/31/2044	9	196	0.0306	0.0489	0.0011	0.0009	0.0013	16.4	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/1/2044	10/31/2044	9	196	0.0199	0.0020	0.0001	0.0001	0.0004	14.0	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/1/2044	10/31/2044	9	196	0.0199	0.0223	0.0007	0.0006	0.0008	7.0	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/1/2044	10/31/2044	9	196	0.0212	0.0272	0.0011	0.0010	0.0010	8.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/1/2044	10/31/2044	9	196	0.0207	0.0039	0.0003	0.0002	0.0028	9.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/1/2044	10/31/2044	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	10.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/1/2044	10/31/2044	9	196	0.0079	0.0058	0.0000	0.0000	0.0002	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/1/2044	10/31/2044	9	196	0.0116	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2044	10/31/2044	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1421*	*0.1120*	*0.0033*	*0.0030*	*0.0068*	*81*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/3/2046	6/24/2047	15	320	0.0101	0.0010	0.0000	0.0000	0.0002	7.1	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	4/3/2046	6/24/2047	15	320	0.0161	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	4/3/2046	6/24/2047	15	320	0.0166	0.0017	0.0001	0.0001	0.0003	9.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/3/2046	6/24/2047	15	320	0.0114	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/3/2046	6/24/2047	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0543*	*0.0046*	*0.0002*	*0.0002*	*0.0009*	*40*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	6/25/2047	7/20/2048	14	280	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/25/2047	7/20/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/25/2047	7/20/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	6/25/2047	7/20/2048	14	280	0.0426	0.0030	0.0001	0.0001	0.0006	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	7/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1375*	*0.0207*	*0.0012*	*0.0012*	*0.0135*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	2.8	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	6/25/2047	1/1/2048	8	137	0.0145	0.0015	0.0001	0.0001	0.0003	7.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	6/25/2047	1/1/2048	8	137	0.0219	0.0019	0.0002	0.0002	0.0010	3.7	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	6/25/2047	1/1/2048	8	137	0.0062	0.0046	0.0000	0.0000	0.0002	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/25/2047	1/1/2048	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0427*	*0.0079*	*0.0003*	*0.0003*	*0.0014*	*18*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/18/2047	3/11/2048	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/18/2047	3/11/2048	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	12/18/2047	3/11/2048	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	12/18/2047	3/11/2048	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	12/18/2047	3/11/2048	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/18/2047	3/11/2048	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/18/2047	3/11/2048	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/18/2047	3/11/2048	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/18/2047	3/11/2048	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/18/2047	3/11/2048	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/1/2048	9/14/2048	9	184	0.0194	0.0019	0.0001	0.0001	0.0004	13.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	1/1/2048	9/14/2048	9	184	0.0173	0.0017	0.0001	0.0001	0.0003	9.3	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	1/1/2048	9/14/2048	9	184	0.0210	0.0048	0.0003	0.0003	0.0028	9.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	1/1/2048	9/14/2048	9	184	0.0204	0.0043	0.0003	0.0003	0.0033	9.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/1/2048	9/14/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0781*	*0.0127*	*0.0007*	*0.0007*	*0.0068*	*42*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-42	May-43	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Nov-42	May-43	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Nov-42	May-43	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Nov-42	May-43	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0181	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0209*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Jan-44	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-43	Jan-44	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Apr-43	Jan-44	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0113*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-43	Dec-43	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-43	Dec-43	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Aug-43	Dec-43	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Aug-43	Dec-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Aug-43	Dec-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0204	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Aug-43	Dec-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Aug-43	Dec-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Aug-43	Dec-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Aug-43	Dec-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0285	0.0000
				0.00	Aug-43	Dec-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0591*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-43	Feb-44	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-43	Feb-44	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Nov-43	Feb-44	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-43	Feb-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0167*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Oct-44	9	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-44	Oct-44	9	196			0.0488	0.0288			
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt		Feb-44	Oct-44	9	196			0.0022	0.0003			
Truck Loading on site - idling	Number of Vehicles	91	20	7.58	Feb-44	Oct-44	9	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0736	0.0000
Trucks Traveling on site	Number of Vehicles	91	Paved	9.10	Feb-44	Oct-44	9	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4596	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0022*	*0.0511*	*0.0291*	*0.0001*	*0.5332*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-46	Jun-47	15	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-46	Jun-47	15	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-46	Jun-47	15	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0064	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Apr-46	Jun-47	15	320	0.0000	0.0002	0.0000	0.0000	0.0000	0.0390	0.0000
				0.00	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0454*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Jul-48	14	280			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-47	Jul-48	14	280			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-47	Jul-48	14	280			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Jan-48	8	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-47	Jan-48	8	137			0.0192	0.0113			
Truck Loading Dust	Tons of material being loaded per day	564	Dirt		Jun-47	Jan-48	8	137			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	47	12	3.92	Jun-47	Jan-48	8	137	0.0002	0.0002	0.0000	0.0000	0.0000	0.0302	0.0000
Trucks Traveling on site	Number of Vehicles	47	Paved	4.70	Jun-47	Jan-48	8	137	0.0002	0.0007	0.0000	0.0000	0.0000	0.1830	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0198*	*0.0114*	*0.0000*	*0.2132*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-47	Mar-48	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-47	Mar-48	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-47	Mar-48	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-47	Mar-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-48	Sep-48	9	184			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Jan-48	Sep-48	9	184			0.0115	0.0068			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-48	Sep-48	9	184			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0115*	*0.0068*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Nov-42	May-43	7	134							
				Nov-42	May-43	7	134							
				Nov-42	May-43	7	134							
				Nov-42	May-43	7	134							
Trucks Traveling to site	Number of Vehicles	4	66	Nov-42	May-43	7	134	0.0025	0.0089	0.0021	0.0003	0.0003	6.3121	0.0001
				Nov-42	May-43	7	134							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	May-43	7	134							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-42	May-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	May-43	7	134							
Totals								*0.0025*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3121*	*0.0001*
Utility Relocation & Site Preparation														
				Apr-43	Jan-44	10	197							
				Apr-43	Jan-44	10	197							
				Apr-43	Jan-44	10	197							
				Apr-43	Jan-44	10	197							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Jan-44	10	197							
Deliveries Traveling to site	Number of Vehicles	4	66	Apr-43	Jan-44	10	197	0.0004	0.0010	0.0009	0.0001	0.0001	3.2888	0.0000
				Apr-43	Jan-44	10	197							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Jan-44	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Jan-44	10	197							
Totals								*0.0004*	*0.0010*	*0.0009*	*0.0001*	*0.0001*	*3.2888*	*0.0000*
Shoring														
				Aug-43	Dec-43	5	87							
				Aug-43	Dec-43	5	87							
				Aug-43	Dec-43	5	87							
				Aug-43	Dec-43	5	87							
Trucks Traveling to site	Number of Vehicles	5	66	Aug-43	Dec-43	5	87	0.0028	0.0100	0.0024	0.0004	0.0003	7.1081	0.0001
				Aug-43	Dec-43	5	87							
Deliveries Traveling to site	Number of Vehicles	1	66	Aug-43	Dec-43	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7262	0.0000
				Aug-43	Dec-43	5	87							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Aug-43	Dec-43	5	87	0.0039	0.0140	0.0033	0.0005	0.0004	9.9514	0.0001
				Aug-43	Dec-43	5	87							
Totals								*0.0068*	*0.0242*	*0.0059*	*0.0009*	*0.0007*	*17.7857*	*0.0002*
Decking 12 weekends							*PRORATED*							
				Nov-43	Feb-44	4	36							
				Nov-43	Feb-44	4	36							
				Nov-43	Feb-44	4	36							
				Nov-43	Feb-44	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-43	Feb-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-43	Feb-44	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Nov-43	Feb-44	4	36	0.0007	0.0015	0.0013	0.0001	0.0001	4.8831	0.0000
				Nov-43	Feb-44	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-43	Feb-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-43	Feb-44	4	36							
Totals								*0.0007*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.8831*	*0.0000*
Excavation														
				Feb-44	Oct-44	9	196							
				Feb-44	Oct-44	9	196							
				Feb-44	Oct-44	9	196							
				Feb-44	Oct-44	9	196							
Trucks Traveling to site	Number of Vehicles	91	66	Feb-44	Oct-44	9	196	0.0613	0.2260	0.0539	0.0080	0.0065	160.6834	0.0015
				Feb-44	Oct-44	9	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Oct-44	9	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Oct-44	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Oct-44	9	196							
Totals								*0.0613*	*0.2260*	*0.0539*	*0.0080*	*0.0065*	*160.6834*	*0.0015*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Apr-46	Jun-47	15	320							
				Apr-46	Jun-47	15	320							
				Apr-46	Jun-47	15	320							
				Apr-46	Jun-47	15	320							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Jun-47	15	320							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-46	Jun-47	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Jun-47	15	320							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Apr-46	Jun-47	15	320	0.0050	0.0192	0.0046	0.0007	0.0005	13.6749	0.0001
				Apr-46	Jun-47	15	320							
Totals								*0.0050*	*0.0192*	*0.0046*	*0.0007*	*0.0005*	*13.6749*	*0.0001*
MEP and Architectural finish work														
				Jun-47	Jul-48	14	280							
				Jun-47	Jul-48	14	280							
				Jun-47	Jul-48	14	280							
				Jun-47	Jul-48	14	280							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jul-48	14	280							
Deliveries Traveling to site	Number of Vehicles	10	66	Jun-47	Jul-48	14	280	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Jun-47	Jul-48	14	280							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Jul-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jul-48	14	280							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Jun-47	Jan-48	8	137							
				Jun-47	Jan-48	8	137							
				Jun-47	Jan-48	8	137							
				Jun-47	Jan-48	8	137							
Trucks Traveling to site	Number of Vehicles	47	66	Jun-47	Jan-48	8	137	0.0228	0.0904	0.0219	0.0032	0.0024	64.2040	0.0006
				Jun-47	Jan-48	8	137							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jan-48	8	137							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Jan-48	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jan-48	8	137							
Totals								*0.0228*	*0.0904*	*0.0219*	*0.0032*	*0.0024*	*64.2040*	*0.0006*
Decking Removal - 12 weekends							*PRORATED*							
				Dec-47	Mar-48	4	36							
				Dec-47	Mar-48	4	36							
				Dec-47	Mar-48	4	36							
				Dec-47	Mar-48	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Mar-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Mar-48	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Dec-47	Mar-48	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Dec-47	Mar-48	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Mar-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Mar-48	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Jan-48	Sep-48	9	184							
				Jan-48	Sep-48	9	184							
				Jan-48	Sep-48	9	184							
				Jan-48	Sep-48	9	184							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Sep-48	9	184							
Deliveries Traveling to site	Number of Vehicles	3	66	Jan-48	Sep-48	9	184	0.0003	0.0006	0.0007	0.0001	0.0000	2.2236	0.0000
				Jan-48	Sep-48	9	184							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-48	Sep-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Sep-48	9	184							
Totals								*0.0003*	*0.0006*	*0.0007*	*0.0001*	*0.0000*	*2.2236*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.012	0.009	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	6/12/2041	5	87	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.062	0.005	0.000	0.000	0.003	9.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.129*	*0.018*	*0.000*	*0.000*	*0.004*	*32*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.017	0.014	0.000	0.000	0.001	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.010	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.017	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	3/4/2042	11/29/2042	9	194	0.061	0.006	0.000	0.000	0.001	43.0	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.142	0.014	0.001	0.001	0.003	97.9	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	2.3	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	6.8	0.000
Other Material Handling Equipment-	Fleet Average	100	Electric	1	0.34	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.030	0.002	0.000	0.000	0.000	12.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.043	0.011	0.001	0.001	0.006	21.9	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.029	0.003	0.000	0.000	0.001	4.8	0.000
Construction Equipment Total				*18*										*0.306*	*0.036*	*0.002*	*0.002*	*0.011*	*192*	*0.002*
Shoring - Continued																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.9	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.025	0.003	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.041*	*0.014*	*0.000*	*0.000*	*0.002*	*14*	*0.000*
Decking - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	10/30/2042	1/22/2043	4	61	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	10/30/2042	1/22/2043	4	61	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.019	0.002	0.000	0.000	0.000	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.056	0.089	0.002	0.002	0.002	29.8	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.004	0.000	0.000	0.001	25.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.041	0.001	0.001	0.001	12.8	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.039	0.049	0.002	0.002	0.002	15.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.038	0.007	0.000	0.000	0.005	17.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	18.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.014	0.011	0.000	0.000	0.000	7.5	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.021	0.001	0.000	0.000	0.000	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.258*	*0.203*	*0.006*	*0.005*	*0.012*	*147*	*0.001*
Disassembly of TBM and Relocate														Crane used for only 2 weekends, 6 days						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.407	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/4/2045	11/19/2046	17	360	0.016	0.001	0.000	0.000	0.000	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/4/2045	11/19/2046	17	360	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.006*	*0.000*	*0.000*	*0.004*	*21*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	7.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.037	0.004	0.000	0.000	0.001	19.6	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.055	0.005	0.001	0.001	0.002	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.107*	*0.020*	*0.001*	*0.001*	*0.004*	*44*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.034	0.003	0.000	0.000	0.001	19.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	3/17/2046	6/9/2046	4	60	0.081	0.007	0.000	0.000	0.005	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.154*	*0.017*	*0.001*	*0.001*	*0.006*	*57*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.027	0.003	0.000	0.000	0.001	18.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.024	0.002	0.000	0.000	0.000	12.8	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.029	0.007	0.000	0.000	0.004	13.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.028	0.006	0.000	0.000	0.004	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.107*	*0.017*	*0.001*	*0.001*	*0.009*	*58*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Jun-41	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Feb-41	Jun-41	5	87			0.0182	0.0138			
Truck Loading Dust	Tons of material being loaded per day	132	Aggregate		Feb-41	Jun-41	5	87			0.0014	0.0002			
Truck Loading on site - idling	Number of Vehicles	11	12	0.92	Feb-41	Jun-41	5	87	0.0001	0.0000	0.0000	0.0000	0.0000	0.0071	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Feb-41	Jun-41	5	87	0.0000	0.0002	0.0000	0.0000	0.0000	0.0458	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0196*	*0.0140*	*0.0000*	*0.0529*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Sep-42	17	335			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Sep-42	17	335			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Sep-42	17	335			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-42	Nov-42	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Mar-42	Nov-42	9	194			0.0031	0.0005			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Mar-42	Nov-42	9	194	0.0001	0.0001	0.0000	0.0000	0.0000	0.0159	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Mar-42	Nov-42	9	194	0.0001	0.0004	0.0001	0.0000	0.0000	0.1019	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Mar-42	Nov-42	9	194	0.0002	0.0001	0.0000	0.0000	0.0000	0.0223	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Mar-42	Nov-42	9	194	0.0001	0.0005	0.0000	0.0000	0.0000	0.1427	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0011*	*0.0274*	*0.0147*	*0.0001*	*0.2957*	*0.0000*
Shoring - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jan-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Sep-43	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	32	Dirt		Jan-43	Sep-43	9	178			0.0887	0.0523			
Truck Loading Dust	Tons of material being loaded per day	5,740	Dirt		Jan-43	Sep-43	9	178			0.0062	0.0009			
Truck Loading on site - idling	Number of Vehicles	287	20	23.92	Jan-43	Sep-43	9	178	0.0016	0.0011	0.0000	0.0000	0.0001	0.2101	0.0000
Trucks Traveling on site	Number of Vehicles	287	Paved	28.70	Jan-43	Sep-43	9	178	0.0014	0.0051	0.0002	0.0000	0.0002	1.3284	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0030*	*0.0062*	*0.0951*	*0.0533*	*0.0003*	*1.5385*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Feb-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0019*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Jul-45	20	410			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-43	Jul-45	20	410	0.0000	0.0001	0.0000	0.0000	0.0000	0.0384	0.0000
				0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0445*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Nov-46	17	360			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0276	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0283*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Mar-46	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-45	Mar-46	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	1,752	Dirt		Jul-45	Mar-46	9	194			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	146	12	12.17	Jul-45	Mar-46	9	194	0.0009	0.0006	0.0000	0.0000	0.0001	0.1172	0.0000
Trucks Traveling on site	Number of Vehicles	146	Paved	14.60	Jul-45	Mar-46	9	194	0.0007	0.0028	0.0001	0.0000	0.0001	0.7243	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0034*	*0.0264*	*0.0146*	*0.0002*	*0.8415*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jun-46	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jan-47	11	206			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	6	Dirt		Mar-46	Jan-47	11	206			0.0157	0.0093			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jan-47	11	206			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0157*	*0.0093*	*0.0000*	*0.0097*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
Trucks Traveling to site	Number of Vehicles	11	66	Feb-41	Jun-41	5	87	0.0065	0.0224	0.0052	0.0008	0.0007	15.9452	0.0001
				Feb-41	Jun-41	5	87							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Totals								*0.0065*	*0.0224*	*0.0052*	*0.0008*	*0.0007*	*15.9452*	*0.0001*
Utility Relocation & Site Preparation														
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
Trucks Traveling to site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Deliveries Traveling to site	Number of Vehicles	4	66	May-41	Sep-42	17	335	0.0005	0.0012	0.0009	0.0001	0.0001	3.5543	0.0000
				May-41	Sep-42	17	335							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5543*	*0.0000*
Shoring														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling to site	Number of Vehicles	20	66	Mar-42	Nov-42	9	194	0.0142	0.0500	0.0117	0.0018	0.0015	35.5383	0.0003
				Mar-42	Nov-42	9	194							
Deliveries Traveling to site	Number of Vehicles	4	66	Mar-42	Nov-42	9	194	0.0005	0.0012	0.0010	0.0001	0.0001	3.7350	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling to site	Number of Vehicles	28	66	Mar-42	Nov-42	9	194	0.0199	0.0700	0.0164	0.0025	0.0021	49.7536	0.0005
				Mar-42	Nov-42	9	194							
Totals								*0.0346*	*0.1212*	*0.0291*	*0.0043*	*0.0037*	*89.0270*	*0.0008*
Shoring - Continued														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 weekends							*Prorated*							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Oct-42	Jan-43	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Oct-42	Jan-43	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
Trucks Traveling to site	Number of Vehicles	287	66	Jan-43	Sep-43	9	178	0.1812	0.6525	0.1545	0.0230	0.0193	463.7612	0.0042
				Jan-43	Sep-43	9	178							
Deliveries Traveling to site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Totals								*0.1812*	*0.6525*	*0.1545*	*0.0230*	*0.0193*	*463.7612*	*0.0042*
Disassembly of TBM and Relocate														
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-43	Feb-44	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5565	0.0000
				Dec-43	Feb-44	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5565*	*0.0000*
Cast-in-place box structure														
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Dec-43	Jul-45	20	410	0.0052	0.0189	0.0045	0.0007	0.0006	13.3992	0.0001
				Dec-43	Jul-45	20	410							
Totals								*0.0052*	*0.0189*	*0.0045*	*0.0007*	*0.0006*	*13.3992*	*0.0001*
MEP and Architectural finish work														
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Deliveries Traveling to site	Number of Vehicles	10	66	Jul-45	Nov-46	17	360	0.0011	0.0025	0.0023	0.0002	0.0002	8.2779	0.0001
				Jul-45	Nov-46	17	360							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Totals								*0.0011*	*0.0025*	*0.0023*	*0.0002*	*0.0002*	*8.2779*	*0.0001*
Backfill														
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
Trucks Traveling to site	Number of Vehicles	146	66	Jul-45	Mar-46	9	194	0.0945	0.3567	0.0856	0.0127	0.0100	253.5301	0.0023
				Jul-45	Mar-46	9	194							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Totals								*0.0945*	*0.3567*	*0.0856*	*0.0127*	*0.0100*	*253.5301*	*0.0023*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*PRORATED*							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Mar-46	Jun-46	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Mar-46	Jun-46	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Deliveries Traveling to site	Number of Vehicles	4	66	Mar-46	Jan-47	11	206	0.0004	0.0008	0.0008	0.0001	0.0001	2.8471	0.0000
				Mar-46	Jan-47	11	206							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Totals								*0.0004*	*0.0008*	*0.0008*	*0.0001*	*0.0001*	*2.8471*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	4/9/2041	9/6/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/3/2041	3/3/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/1/2042	3/22/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/1/2042	3/22/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	4/14/2043	12/7/2043	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-600	Tier 2	300	Diesel	2	0.40	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.065	0.095	0.002	0.002	0.002	32.0	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	4/14/2043	12/7/2043	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.123*	*0.112*	*0.003*	*0.002*	*0.005*	*114*	*0.001*
TBM Reassembly														*Crane is only used for 6 days (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/29/2044	4/17/2045	14	275	0.019	0.002	0.000	0.000	0.000	13.1	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	3/29/2044	4/17/2045	14	275	0.052	0.004	0.000	0.000	0.001	15.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/29/2044	4/17/2045	14	275	0.038	0.004	0.000	0.000	0.001	20.7	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	55.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	4.3	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.109*	*0.009*	*0.000*	*0.000*	*0.002*	*122*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	57.3	0.000
Segment Hauler-600	Tier 2	300	Diesel	2	0.40	0.25	20	5	10	3/29/2044	4/17/2045	14	275	0.068	0.098	0.002	0.002	0.002	33.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	3/29/2044	4/17/2045	14	275	0.020	0.014	0.000	0.000	0.002	2.7	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/29/2044	4/17/2045	14	275	0.041	0.004	0.000	0.000	0.001	23.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	4/17/2045	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.128*	*0.117*	*0.003*	*0.002*	*0.005*	*118*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	2/2/2044	4/2/2046	27	565	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	2/2/2044	4/2/2046	27	565	0.007	0.001	0.000	0.000	0.000	3.5	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	2/2/2044	4/2/2046	27	565	0.021	0.027	0.001	0.001	0.001	9.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	29.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	2/2/2044	4/2/2046	27	565	0.003	0.004	0.000	0.000	0.000	1.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	2/2/2044	4/2/2046	27	565	0.011	0.007	0.000	0.000	0.001	1.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.046*	*0.039*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	14.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	4/2/2046	27	565	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	8/30/2044	5/11/2048	46	965	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	8/30/2044	5/11/2048	46	965	0.022	0.002	0.000	0.000	0.000	6.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	2.4	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	8/30/2044	5/11/2048	46	965	0.174	0.017	0.001	0.001	0.003	100.0	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/11/2048	46	965	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.200*	*0.019*	*0.001*	*0.001*	*0.004*	*112*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/8/2046	5/6/2047	15	303	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/8/2046	5/6/2047	15	303	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/8/2046	5/6/2047	15	303	0.016	0.002	0.000	0.000	0.000	9.0	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/8/2046	5/6/2047	15	303	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2046	5/6/2047	15	303	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	5/7/2047	4/6/2048	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	5/7/2047	4/6/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	5/7/2047	4/6/2048	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/7/2047	4/6/2048	12	240	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/7/2047	4/6/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	7/30/2047	1/6/2048	7	115	0.014	0.001	0.000	0.000	0.000	7.5	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	7/30/2047	1/6/2048	7	115	0.021	0.002	0.000	0.000	0.001	3.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	7/30/2047	1/6/2048	7	115	0.006	0.004	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/30/2047	1/6/2048	7	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.041*	*0.008*	*0.000*	*0.000*	*0.001*	*17*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/23/2047	2/10/2048	3	36	0.0064	0.0006	0.0000	0.0000	0.0001	4.5	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/23/2047	2/10/2048	3	36	0.0066	0.0007	0.0000	0.0000	0.0001	4.7	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	12/23/2047	2/10/2048	3	36	0.0078	0.0062	0.0000	0.0000	0.0004	1.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	12/23/2047	2/10/2048	3	36	0.0133	0.0013	0.0001	0.0001	0.0003	7.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	12/23/2047	2/10/2048	3	36	0.0316	0.0026	0.0002	0.0002	0.0018	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2047	2/10/2048	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2047	2/10/2048	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2047	2/10/2048	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/23/2047	2/10/2048	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2047	2/10/2048	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.066*	*0.011*	*0.000*	*0.000*	*0.003*	*23*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	1/6/2048	6/1/2048	6	106	0.033	0.003	0.000	0.000	0.001	23.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	1/6/2048	6/1/2048	6	106	0.030	0.003	0.000	0.000	0.001	16.0	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	1/6/2048	6/1/2048	6	106	0.036	0.008	0.000	0.000	0.005	17.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	1/6/2048	6/1/2048	6	106	0.035	0.007	0.000	0.000	0.006	15.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/6/2048	6/1/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.135*	*0.022*	*0.001*	*0.001*	*0.012*	*73*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Sep-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-41	Sep-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Apr-41	Sep-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Apr-41	Sep-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-41	Sep-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-41	Apr-42	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-41	Apr-42	9	178			0.0222	0.0131			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-41	Apr-42	9	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0222*	*0.0131*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Mar-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Mar-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-41	Mar-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Mar-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Apr-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Mar-42	Apr-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Mar-42	Apr-43	14	276			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	30	20	2.50	Mar-42	Apr-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0219	0.0000
Trucks Traveling on site	Number of Vehicles	30	Paved	3.00	Mar-42	Apr-43	14	276	0.0001	0.0005	0.0000	0.0000	0.0000	0.1398	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0449*	*0.0262*	*0.0000*	*0.1617*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Apr-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Apr-43	Dec-43	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt		Apr-43	Dec-43	9	170			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	75	20	6.25	Apr-43	Dec-43	9	170	0.0004	0.0003	0.0000	0.0000	0.0000	0.0524	0.0000
Trucks Traveling on site	Number of Vehicles	75	Paved	7.50	Apr-43	Dec-43	9	170	0.0003	0.0013	0.0001	0.0000	0.0000	0.3315	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0447	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0016*	*0.0148*	*0.0081*	*0.0001*	*0.4298*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Mar-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0055*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Apr-45	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-44	Apr-45	14	275			0.0138	0.0081			
Truck Loading Dust	Tons of material being loaded per day	2,500	Dirt		Mar-44	Apr-45	14	275			0.0027	0.0004			
Truck Loading on site - idling	Number of Vehicles	125	20	10.42	Mar-44	Apr-45	14	275	0.0007	0.0005	0.0000	0.0000	0.0001	0.0911	0.0000
Trucks Traveling on site	Number of Vehicles	125	Paved	12.50	Mar-44	Apr-45	14	275	0.0006	0.0022	0.0001	0.0000	0.0001	0.5695	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0449	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0013*	*0.0027*	*0.0165*	*0.0085*	*0.0001*	*0.7067*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Apr-45	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Apr-45	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Apr-45	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Apr-46	27	565			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Feb-44	Apr-46	27	565			0.0264	0.0156			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Feb-44	Apr-46	27	565			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0264*	*0.0156*	*0.0000*	*0.0113*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Apr-46	27	565			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Apr-46	27	565			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Apr-46	27	565			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	May-48	46	965			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-44	May-48	46	965			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-44	May-48	46	965			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	May-47	15	303			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	May-47	15	303			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	May-47	15	303			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Mar-46	May-47	15	303	0.0000	0.0001	0.0000	0.0000	0.0000	0.0369	0.0000
				0.00	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0430*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-47	Apr-48	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-47	Apr-48	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-47	Apr-48	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Jan-48	7	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-47	Jan-48	7	115			0.0184	0.0109			
Truck Loading Dust	Tons of material being loaded per day	408	Dirt		Jul-47	Jan-48	7	115			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	34	12	2.83	Jul-47	Jan-48	7	115	0.0002	0.0001	0.0000	0.0000	0.0000	0.0210	0.0000
Trucks Traveling on site	Number of Vehicles	34	Paved	3.40	Jul-47	Jan-48	7	115	0.0001	0.0005	0.0000	0.0000	0.0000	0.1270	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0188*	*0.0109*	*0.0000*	*0.1480*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-47	Feb-48	3	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-47	Feb-48	3	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Dec-47	Feb-48	3	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-47	Feb-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0115*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-48	Jun-48	6	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-48	Jun-48	6	106			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-48	Jun-48	6	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
Trucks Traveling to site	Number of Vehicles	13	66	Apr-41	Sep-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Apr-41	Sep-41	6	109							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Deliveries Traveling to site	Number of Vehicles	4	66	Aug-41	Apr-42	9	178	0.0005	0.0012	0.0009	0.0001	0.0001	3.5673	0.0000
				Aug-41	Apr-42	9	178							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5673*	*0.0000*
Shoring														
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
Trucks Traveling to site	Number of Vehicles	5	66	Dec-41	Mar-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Dec-41	Mar-42	4	65							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-41	Mar-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Dec-41	Mar-42	4	65							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Dec-41	Mar-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Dec-41	Mar-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*PRORATED*							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Feb-42	Mar-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Feb-42	Mar-42	2	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
Trucks Traveling to site	Number of Vehicles	30	66	Mar-42	Apr-43	14	276	0.0195	0.0686	0.0161	0.0024	0.0021	48.7540	0.0004
				Mar-42	Apr-43	14	276							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Totals								*0.0195*	*0.0686*	*0.0161*	*0.0024*	*0.0021*	*48.7540*	*0.0004*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling to site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-43	Apr-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Feb-43	Apr-43	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling to site	Number of Vehicles	75	66	Apr-43	Dec-43	9	170	0.0452	0.1629	0.0386	0.0057	0.0048	115.7451	0.0011
				Apr-43	Dec-43	9	170							
Deliveries Traveling to site	Number of Vehicles	17	66	Apr-43	Dec-43	9	170	0.0018	0.0042	0.0036	0.0004	0.0003	13.4018	0.0001
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0470*	*0.1671*	*0.0421*	*0.0061*	*0.0051*	*129.1469*	*0.0012*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-44	Mar-44	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.6131	0.0000
				Feb-44	Mar-44	2	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.6131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)														
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
Trucks Traveling to site	Number of Vehicles	125	66	Mar-44	Apr-45	14	275	0.0760	0.2801	0.0668	0.0099	0.0080	199.0815	0.0018
				Mar-44	Apr-45	14	275							
Deliveries Traveling to site	Number of Vehicles	17	66	Mar-44	Apr-45	14	275	0.0018	0.0041	0.0037	0.0004	0.0003	13.4662	0.0001
				Mar-44	Apr-45	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Apr-45	14	275							
Totals								*0.0778*	*0.2842*	*0.0705*	*0.0103*	*0.0083*	*212.5477*	*0.0019*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued														
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
				Mar-44	Apr-45	14	275							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Apr-45	14	275							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Apr-45	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Apr-45	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Apr-45	14	275							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
Trucks Traveling to site	Number of Vehicles	1	66	Feb-44	Apr-46	27	565	0.0006	0.0024	0.0006	0.0001	0.0001	1.6967	0.0000
				Feb-44	Apr-46	27	565							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Apr-46	27	565							
Cement Trucks Traveling to site	Number of Vehicles	1	66	Feb-44	Apr-46	27	565	0.0006	0.0024	0.0006	0.0001	0.0001	1.6967	0.0000
				Feb-44	Apr-46	27	565							
Totals								*0.0013*	*0.0048*	*0.0011*	*0.0002*	*0.0001*	*3.3934*	*0.0000*
Crosspassage - Continued														
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
				Feb-44	Apr-46	27	565							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Apr-46	27	565							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Apr-46	27	565							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Apr-46	27	565	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Apr-46	27	565							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Aug-44	May-48	46	965							
				Aug-44	May-48	46	965							
				Aug-44	May-48	46	965							
				Aug-44	May-48	46	965							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	May-48	46	965							
Deliveries Traveling to site	Number of Vehicles	7	66	Aug-44	May-48	46	965	0.0008	0.0018	0.0016	0.0002	0.0001	5.9219	0.0001
				Aug-44	May-48	46	965							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-44	May-48	46	965	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	May-48	46	965							
Totals								*0.0008*	*0.0018*	*0.0016*	*0.0002*	*0.0001*	*5.9219*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
				Mar-46	May-47	15	303							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	May-47	15	303							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-46	May-47	15	303	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	May-47	15	303							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Mar-46	May-47	15	303	0.0047	0.0182	0.0044	0.0007	0.0005	12.9484	0.0001
				Mar-46	May-47	15	303							
Totals								*0.0047*	*0.0182*	*0.0044*	*0.0007*	*0.0005*	*12.9484*	*0.0001*
MEP and Architectural finish work														
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
				May-47	Apr-48	12	240							
Trucks Traveling to site	Number of Vehicles	0	66	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Apr-48	12	240							
Deliveries Traveling to site	Number of Vehicles	10	66	May-47	Apr-48	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				May-47	Apr-48	12	240							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-47	Apr-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Apr-48	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Jul-47	Jan-48	7	115							
				Jul-47	Jan-48	7	115							
				Jul-47	Jan-48	7	115							
				Jul-47	Jan-48	7	115							
Trucks Traveling to site	Number of Vehicles	34	66	Jul-47	Jan-48	7	115	0.0159	0.0628	0.0152	0.0023	0.0017	44.5566	0.0004
				Jul-47	Jan-48	7	115							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jan-48	7	115							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Jan-48	7	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jan-48	7	115							
Totals								*0.0159*	*0.0628*	*0.0152*	*0.0023*	*0.0017*	*44.5566*	*0.0004*
Decking Removal - 7 weekends							*PRORATED*							
				Dec-47	Feb-48	3	21							
				Dec-47	Feb-48	3	21							
				Dec-47	Feb-48	3	21							
				Dec-47	Feb-48	3	21							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Feb-48	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Feb-48	3	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Dec-47	Feb-48	3	21	0.0004	0.0010	0.0010	0.0001	0.0001	3.3730	0.0000
				Dec-47	Feb-48	3	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-47	Feb-48	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-47	Feb-48	3	21							
Totals								*0.0004*	*0.0010*	*0.0010*	*0.0001*	*0.0001*	*3.3730*	*0.0000*
Surface Restoration														
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
				Jan-48	Jun-48	6	106							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Jun-48	6	106							
Deliveries Traveling to site	Number of Vehicles	6	66	Jan-48	Jun-48	6	106	0.0005	0.0011	0.0012	0.0001	0.0001	3.8430	0.0000
				Jan-48	Jun-48	6	106							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-48	Jun-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Jun-48	6	106							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.8430*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.006	0.005	0.000	0.000	0.000	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/15/2042	1/16/2043	7	134	0.031	0.002	0.000	0.000	0.000	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.034	0.003	0.000	0.000	0.002	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.071*	*0.010*	*0.000*	*0.000*	*0.002*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.017	0.014	0.000	0.000	0.001	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.010	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.017	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	4/21/2043	8/19/2043	5	87	0.025	0.002	0.000	0.000	0.000	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	4/21/2043	8/19/2043	5	87	0.197	0.020	0.001	0.001	0.004	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.025	0.002	0.000	0.000	0.000	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.035	0.009	0.001	0.000	0.005	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.023	0.003	0.000	0.000	0.001	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.020	0.002	0.000	0.000	0.001	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.013	0.009	0.000	0.000	0.000	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	8/19/2043	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.338*	*0.047*	*0.002*	*0.002*	*0.012*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/20/2043	10/12/2043	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	7/20/2043	10/12/2043	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.044*	*0.006*	*0.000*	*0.000*	*0.001*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.009	0.001	0.000	0.000	0.000	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.018	0.020	0.001	0.001	0.001	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.019	0.024	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.019	0.003	0.000	0.000	0.003	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/12/2043	7/11/2044	10	196	0.000	0.000	0.000	0.000	0.000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.010	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/12/2043	7/11/2044	10	196	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.128*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/25/2045	7/16/2046	16	320	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	4/25/2045	7/16/2046	16	320	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	4/25/2045	7/16/2046	16	320	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/25/2045	7/16/2046	16	320	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/25/2045	7/16/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/17/2046	8/5/2047	14	275	0.015	0.001	0.000	0.000	0.000	7.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/17/2046	8/5/2047	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/17/2046	8/5/2047	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	7/17/2046	8/5/2047	14	275	0.042	0.003	0.000	0.000	0.001	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	8/5/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.135*	*0.020*	*0.001*	*0.001*	*0.013*	*56*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	7/17/2046	1/23/2047	7	137	0.017	0.002	0.000	0.000	0.000	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	7/17/2046	1/23/2047	7	137	0.025	0.002	0.000	0.000	0.001	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	7/17/2046	1/23/2047	7	137	0.007	0.005	0.000	0.000	0.000	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/17/2046	1/23/2047	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.049*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/9/2047	4/3/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/9/2047	4/3/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	1/9/2047	4/3/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	1/9/2047	4/3/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	1/9/2047	4/3/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	4/3/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	4/3/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	4/3/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/9/2047	4/3/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/9/2047	4/3/2047	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.085*	*0.015*	*0.000*	*0.000*	*0.004*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/23/2047	9/30/2047	9	179	0.019	0.002	0.000	0.000	0.000	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	1/23/2047	9/30/2047	9	179	0.017	0.002	0.000	0.000	0.000	9.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	1/23/2047	9/30/2047	9	179	0.020	0.005	0.000	0.000	0.003	9.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	1/23/2047	9/30/2047	9	179	0.020	0.004	0.000	0.000	0.003	9.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/23/2047	9/30/2047	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.076*	*0.012*	*0.001*	*0.001*	*0.007*	*41*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Jan-43	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-42	Jan-43	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-42	Jan-43	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-42	Jan-43	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0181	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0209*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Oct-43	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-43	Oct-43	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-43	Oct-43	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0113*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Aug-43	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-43	Aug-43	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Apr-43	Aug-43	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0204	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0285	0.0000
				0.00	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0591*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-43	Oct-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0167*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-43	Jul-44	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-43	Jul-44	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt		Oct-43	Jul-44	10	196			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	100	20	8.33	Oct-43	Jul-44	10	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0726	0.0000
Trucks Traveling on site	Number of Vehicles	100	Paved	10.00	Oct-43	Jul-44	10	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4587	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0462*	*0.0263*	*0.0001*	*0.5312*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-45	Jul-46	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-45	Jul-46	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-45	Jul-46	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Apr-45	Jul-46	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-46	Aug-47	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-46	Aug-47	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-46	Aug-47	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0248	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0255*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-46	Jan-47	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-46	Jan-47	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	768	Dirt		Jul-46	Jan-47	7	137			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	64	12	5.33	Jul-46	Jan-47	7	137	0.0004	0.0002	0.0000	0.0000	0.0000	0.0468	0.0000
Trucks Traveling on site	Number of Vehicles	64	Paved	6.40	Jul-46	Jan-47	7	137	0.0003	0.0011	0.0001	0.0000	0.0000	0.2864	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0014*	*0.0228*	*0.0131*	*0.0001*	*0.3332*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Apr-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-47	Apr-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Apr-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Apr-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Sep-47	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Jan-47	Sep-47	9	179			0.0111	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Sep-47	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0111*	*0.0066*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
Trucks Traveling to site	Number of Vehicles	4	66	Jul-42	Jan-43	7	134	0.0025	0.0089	0.0021	0.0003	0.0003	6.3121	0.0001
				Jul-42	Jan-43	7	134							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Totals								*0.0025*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3121*	*0.0001*
Utility Relocation & Site Preparation														
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Deliveries Traveling to site	Number of Vehicles	4	66	Jan-43	Oct-43	10	197	0.0004	0.0010	0.0009	0.0001	0.0001	3.2888	0.0000
				Jan-43	Oct-43	10	197							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Totals								*0.0004*	*0.0010*	*0.0009*	*0.0001*	*0.0001*	*3.2888*	*0.0000*
Shoring														
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
Trucks Traveling to site	Number of Vehicles	5	66	Apr-43	Aug-43	5	87	0.0028	0.0100	0.0024	0.0004	0.0003	7.1081	0.0001
				Apr-43	Aug-43	5	87							
Deliveries Traveling to site	Number of Vehicles	1	66	Apr-43	Aug-43	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7262	0.0000
				Apr-43	Aug-43	5	87							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Apr-43	Aug-43	5	87	0.0039	0.0140	0.0033	0.0005	0.0004	9.9514	0.0001
				Apr-43	Aug-43	5	87							
Totals								*0.0068*	*0.0242*	*0.0059*	*0.0009*	*0.0007*	*17.7857*	*0.0002*
Decking 12 weekends							*PRORATED*							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Jul-43	Oct-43	4	36	0.0007	0.0015	0.0013	0.0001	0.0001	4.8831	0.0000
				Jul-43	Oct-43	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Totals								*0.0007*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.8831*	*0.0000*
Excavation														
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
Trucks Traveling to site	Number of Vehicles	100	66	Oct-43	Jul-44	10	196	0.0626	0.2253	0.0534	0.0079	0.0067	160.1368	0.0015
				Oct-43	Jul-44	10	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Totals								*0.0626*	*0.2253*	*0.0534*	*0.0079*	*0.0067*	*160.1368*	*0.0015*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
				Apr-45	Jul-46	16	320							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-45	Jul-46	16	320							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-45	Jul-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-45	Jul-46	16	320							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Apr-45	Jul-46	16	320	0.0048	0.0181	0.0044	0.0006	0.0005	12.8895	0.0001
				Apr-45	Jul-46	16	320							
Totals								*0.0048*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8895*	*0.0001*
MEP and Architectural finish work														
				Jul-46	Aug-47	14	275							
				Jul-46	Aug-47	14	275							
				Jul-46	Aug-47	14	275							
				Jul-46	Aug-47	14	275							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Aug-47	14	275							
Deliveries Traveling to site	Number of Vehicles	10	66	Jul-46	Aug-47	14	275	0.0010	0.0022	0.0022	0.0002	0.0001	7.4657	0.0001
				Jul-46	Aug-47	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-46	Aug-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Aug-47	14	275							
Totals								*0.0010*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4657*	*0.0001*
Backfill														
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
				Jul-46	Jan-47	7	137							
Trucks Traveling to site	Number of Vehicles	64	66	Jul-46	Jan-47	7	137	0.0366	0.1413	0.0341	0.0051	0.0038	100.3642	0.0009
				Jul-46	Jan-47	7	137							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jan-47	7	137							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-46	Jan-47	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Jan-47	7	137							
Totals								*0.0366*	*0.1413*	*0.0341*	*0.0051*	*0.0038*	*100.3642*	*0.0009*
Decking Removal - 12 weekends							*PRORATED*							
				Jan-47	Apr-47	4	36							
				Jan-47	Apr-47	4	36							
				Jan-47	Apr-47	4	36							
				Jan-47	Apr-47	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Apr-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Apr-47	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Jan-47	Apr-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Jan-47	Apr-47	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Apr-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Apr-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
				Jan-47	Sep-47	9	179							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Sep-47	9	179							
Deliveries Traveling to site	Number of Vehicles	3	66	Jan-47	Sep-47	9	179	0.0003	0.0006	0.0007	0.0001	0.0000	2.2116	0.0000
				Jan-47	Sep-47	9	179							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Sep-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Sep-47	9	179							
Totals								*0.0003*	*0.0006*	*0.0007*	*0.0001*	*0.0000*	*2.2116*	*0.0000*

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative with HB Option

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.17	0.64	3.42	0.01	0.02	0.02	1,049
2042	0.62	4.66	13.17	0.05	0.12	0.12	6,065
2043	0.26	4.07	6.31	0.03	0.11	0.11	4,570
2044	0.49	3.61	8.34	0.03	0.08	0.07	5,038
2045	1.00	6.45	18.26	0.07	0.14	0.13	10,007
2046	0.81	4.04	17.51	0.07	0.10	0.09	9,407
2047	1.14	4.81	21.25	0.08	0.13	0.13	10,492
2048	0.61	2.95	12.40	0.05	0.08	0.07	6,435
2049	0.06	0.20	1.57	0.01	0.01	0.01	797
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.61	0.39	1
2042	0.00	0.04	0.02	0.00	2.16	1.26	9
2043	0.00	0.07	0.04	0.00	1.18	0.66	19
2044	0.00	0.03	0.01	0.00	0.63	0.36	8
2045	0.00	0.03	0.01	0.00	1.59	0.98	8
2046	0.00	0.02	0.01	0.00	0.74	0.50	6
2047	0.00	0.03	0.01	0.00	1.36	0.86	8
2048	0.00	0.01	0.00	0.00	0.76	0.50	3
2049	0.00	0.00	0.00	0.00	0.11	0.06	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.36	0.11	0.00	0.09	0.01	302
2042	0.12	3.78	1.08	0.03	0.92	0.14	2,827
2043	0.23	7.74	2.19	0.05	1.85	0.27	5,608
2044	0.09	2.90	0.81	0.02	0.74	0.11	2,275
2045	0.10	3.24	0.89	0.02	0.84	0.12	2,545
2046	0.06	2.19	0.59	0.02	0.61	0.09	1,864
2047	0.08	2.82	0.75	0.02	0.82	0.11	2,516
2048	0.02	0.69	0.19	0.01	0.24	0.03	757
2049	0.00	0.15	0.04	0.00	0.05	0.01	145
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.02	0.45	0.00	0.01	0.00	175
2042	0.02	0.07	1.87	0.01	0.04	0.02	723
2043	0.01	0.04	1.29	0.00	0.03	0.01	502
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.02	0.09	2.67	0.01	0.06	0.02	1,046
2046	0.02	0.08	2.51	0.01	0.06	0.02	984
2047	0.03	0.12	3.51	0.01	0.08	0.03	1,378
2048	0.02	0.05	1.66	0.01	0.04	0.01	652
2049	0.01	0.02	0.62	0.00	0.01	0.01	242
2050	0.00	0.01	0.32	0.00	0.01	0.00	126
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.18	1.02	3.99	0.01	0.74	0.43	1,527
2042	0.75	8.55	16.14	0.09	3.25	1.52	9,625
2043	0.51	11.92	9.83	0.09	3.17	1.05	10,699
2044	0.59	6.58	10.50	0.06	1.48	0.56	7,847
2045	1.12	9.81	21.84	0.10	2.62	1.25	13,606
2046	0.90	6.33	20.62	0.10	1.50	0.69	12,262
2047	1.26	7.77	25.52	0.12	2.40	1.13	14,394
2048	0.65	3.71	14.25	0.07	1.12	0.62	7,847
2049	0.07	0.37	2.22	0.01	0.18	0.08	1,185
2050	0.00	0.01	0.32	0.00	0.01	0.00	126
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	6.03	56.09	125.24	0.64	16.46	7.34	79,120
BTUs							
CO2e (tons)							79,831
CO2 (metric tons)							71,776
CO2e (metric tons)							72,421

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative with HB Option

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	26	0	0	0
2042	5	36	101	0	1	1
2043	2	31	48	0	1	1
2044	4	28	64	0	1	1
2045	8	49	139	1	1	1
2046	6	31	134	1	1	1
2047	9	37	162	1	1	1
2048	5	23	95	0	1	1
2049	0	1	12	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*9*	*49*	*162*	*1*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	5	3
2042	0	0	0	0	17	10
2043	0	1	0	0	9	5
2044	0	0	0	0	5	3
2045	0	0	0	0	12	7
2046	0	0	0	0	6	4
2047	0	0	0	0	10	7
2048	0	0	0	0	6	4
2049	0	0	0	0	1	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*17*	*10*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	3	1	0	1	0
2042	1	29	8	0	7	1
2043	2	59	17	0	14	2
2044	1	22	6	0	6	1
2045	1	25	7	0	6	1
2046	0	17	5	0	5	1
2047	1	21	6	0	6	1
2048	0	5	1	0	2	0
2049	0	1	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*2*	*59*	*17*	*0*	*14*	*2*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	3	0	0	0
2042	0	1	14	0	0	0
2043	0	0	10	0	0	0
2044	0	0	10	0	0	0
2045	0	1	20	0	0	0
2046	0	1	19	0	0	0
2047	0	1	27	0	1	0
2048	0	0	13	0	0	0
2049	0	0	5	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*27*	*0*	*1*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	8	30	0	6	3
2042	6	65	123	1	25	12
2043	4	91	75	1	24	8
2044	4	50	80	0	11	4
2045	9	75	167	1	20	10
2046	7	48	157	1	11	5
2047	10	59	195	1	18	9
2048	5	28	109	1	9	5
2049	1	3	17	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*10*	*91*	*195*	*1*	*25*	*12*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative with HB Option: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.01	0.04	0.17	0.00	0.00	0.00	63
2045	0.14	0.56	2.10	0.01	0.01	0.01	802
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.08	0.67	2.49	0.01	0.01	0.01	1,141
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.05	0.03	0
2045	0.00	0.01	0.01	0.00	0.57	0.38	3
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.37	0.28	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.10	0.03	0.00	0.03	0.00	75
2045	0.03	1.16	0.32	0.01	0.28	0.04	830
2046	0.00	0.08	0.02	0.00	0.03	0.00	110
2047	0.00	0.08	0.02	0.00	0.03	0.00	110
2048	0.00	0.07	0.02	0.00	0.03	0.00	101
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	0.00	0.00	0.03	0.00	0.00	0.00	13
2045	0.00	0.01	0.26	0.00	0.01	0.00	102
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.29	0.00	0.01	0.00	115
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	21
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	0.02	0.15	0.23	0.00	0.08	0.04	151
2045	0.18	1.74	2.68	0.02	0.86	0.44	1,736
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2048	0.09	0.75	2.80	0.01	0.41	0.29	1,357
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	21
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	0.48	4.29	12.03	0.06	2.26	1.41	6,282
BTUs							
CO2e (tons)							6,339
CO2 (metric tons)							5,699
CO2e (metric tons)							5,750

K LINE NORTHERN EXTENSION - Section 2 - FF Alternative with HB Option: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	1	0	0	0
2045	1	4	16	0	0	0
2046	1	6	21	0	0	0
2047	1	6	21	0	0	0
2048	1	5	19	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*6*	*21*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	4	3
2046	0	0	0	0	3	2
2047	0	0	0	0	3	2
2048	0	0	0	0	3	2
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*4*	*3*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	1	0	0	0	0
2045	0	9	2	0	2	0
2046	0	1	0	0	0	0
2047	0	1	0	0	0	0
2048	0	1	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*9*	*2*	*0*	*2*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	2	0	0	0
2046	0	0	3	0	0	0
2047	0	0	3	0	0	0
2048	0	0	2	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*3*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	1	2	0	1	0
2045	1	13	20	0	7	3
2046	1	6	24	0	3	2
2047	1	6	24	0	3	2
2048	1	6	21	0	3	2
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*1*	*13*	*24*	*0*	*7*	*3*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0736	0.0736	0.0736
Hollywood/Highland	Equipment	0.0000	0.0000	0.1446	0.1446	0.1446	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0087	0.0087	0.0087	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1534	0.1534	0.1534	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2105	0.0758	0.0758	0.0758	0.0758	0.3300
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0085	0.0004	0.0004	0.0004	0.0004	0.0072
	Total	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2191	0.0762	0.0762	0.0762	0.0762	0.3373
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.1460	0.0839
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0028	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0644	0.0644	0.0644	0.0644	0.0644	0.0644	0.1488	0.0844
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0795
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0564	0.0564	0.0800
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.2793	0.2793	0.3413	0.2831	0.3589	0.2242	0.2242	0.3495	0.4334	0.6506
TOTALS	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0002	0.0002	0.0000	0.0000	0.0001	0.0001	0.0002
	Hauling	0.0000	0.0000	0.0167	0.0167	0.0190	0.0109	0.0113	0.0032	0.0032	0.0079	0.0084	0.0113
2.0911	Total	0.000	0.000	0.296	0.296	0.361	0.294	0.370	0.227	0.227	0.357	0.442	0.662
YEARLY TOTALS		3.534											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0710	0.0710	0.1549	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1863
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0011
	Hauling	0.0026	0.0026	0.0031	0.0005	0.0005	0.0005	0.0075	0.0075	0.0075	0.0082	0.0012	0.0661
	Total	0.0736	0.0736	0.1580	0.0844	0.0844	0.0844	0.4295	0.4295	0.4295	0.4743	0.1292	0.2534
Hollywood/Highland	Equipment	0.0863	0.3811	0.3811	0.3811	0.3811	0.3811	0.3811	0.2948	0.3831	0.0883	0.0883	0.2708
	Activity	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0016
	Hauling	0.0005	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0295	0.0302	0.0007	0.0007	0.1006
	Total	0.0868	0.4116	0.4116	0.4116	0.4116	0.4116	0.4116	0.3247	0.4138	0.0890	0.0890	0.3731
La Brea/Santa Monica	Equipment	0.3300	0.3815	0.2045	0.1287	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0072	0.0080	0.0200	0.0195	0.0195	0.0195	0.0195	0.0195	0.0195	0.0199	0.0195	0.0195
	Total	0.3373	0.3896	0.2247	0.1485	0.1485	0.1485	0.1485	0.1485	0.1485	0.1825	0.1485	0.1485
Fairfax/Santa Monica Station	Equipment	0.0839	0.0839	0.4219	0.4219	0.4219	0.4808	0.1428	0.1279	0.1279	0.1279	0.1279	0.1279
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0005	0.0005	0.0075	0.0075	0.0075	0.0084	0.0014	0.0647	0.0647	0.0647	0.0647	0.0647
	Total	0.0844	0.0844	0.4295	0.4295	0.4295	0.4893	0.1442	0.1936	0.1936	0.1936	0.1936	0.1936
Hollywood Bowl Option: 1 of 2	Equipment	0.0795	0.0912	0.0912	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.0366
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0005	0.0040	0.0040	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0027
	Total	0.0800	0.0952	0.0952	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.0394
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6506	1.0086	1.2535	1.2628	1.2628	1.3217	1.3217	1.2205	1.3088	1.0918	0.7202	0.7503
TOTALS	Activity	0.0002	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0021	0.0021	0.0016	0.0015	0.0041
	Hauling	0.0113	0.0451	0.0645	0.0645	0.0645	0.0654	0.0654	0.1281	0.1288	0.1004	0.0930	0.2536
2.0911	Total	0.662	1.054	1.319	1.328	1.328	1.388	1.388	1.351	1.440	1.194	0.815	1.008
YEARLY TOTALS		14.275											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.0000	0.0000	0.0000	0.0000
	Activity	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0654	0.0654	0.0654	0.0654	0.0654	0.0654	0.0654	0.0654	0.0000	0.0000	0.0000	0.0000
	Total	0.2086	0.2086	0.2086	0.2086	0.2086	0.2086	0.2086	0.2086	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.2708	0.2708	0.2708	0.2708	0.2708	0.2708	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1006	0.1006	0.1006	0.1006	0.1006	0.1006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3731	0.3731	0.3731	0.3731	0.3731	0.3731	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.1287	0.1555	0.1555	0.2373	0.2373	0.2373	0.2373	0.2373	0.2373	0.2373	0.2373	0.2373
	Activity	0.0003	0.0003	0.0003	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Hauling	0.0195	0.0197	0.0197	0.0803	0.0803	0.0803	0.0803	0.0803	0.0803	0.0803	0.0803	0.0803
	Total	0.1485	0.1755	0.1755	0.3189	0.3189	0.3189	0.3189	0.3189	0.3189	0.3189	0.3189	0.3189
Fairfax/Santa Monica Station	Equipment	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0647	0.0647	0.0647	0.0647	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1936	0.1936	0.1936	0.1936	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0427	0.0427	0.0427	0.0427
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0004	0.0004	0.0004	0.0004
	Total	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0394	0.0431	0.0431	0.0431	0.0431
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.7061	0.7330	0.7330	0.8148	0.6869	0.6869	0.4160	0.4160	0.2800	0.2800	0.2800	0.2800
TOTALS	Activity	0.0041	0.0041	0.0041	0.0051	0.0040	0.0040	0.0024	0.0024	0.0013	0.0013	0.0013	0.0013
	Hauling	0.2529	0.2531	0.2531	0.3137	0.2490	0.2490	0.1483	0.1483	0.0807	0.0807	0.0807	0.0807
2.0911	Total	0.963	0.990	0.990	1.134	0.940	0.940	0.567	0.567	0.362	0.362	0.362	0.362
YEARLY TOTALS		8.538											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0296	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.2373	0.2373	0.2373	0.2373	0.0000	0.0707	0.0707	0.2721	0.2721	0.2721	0.2721	0.2721
	Activity	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0803	0.0803	0.0803	0.0803	0.0000	0.0014	0.0014	0.0468	0.0468	0.0468	0.0468	0.0468
	Total	0.3189	0.3189	0.3189	0.3189	0.0000	0.0721	0.0721	0.3196	0.3196	0.3196	0.3196	0.3196
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0427	0.4671	0.4671	0.4671	0.4671	0.4671	0.4671	0.4671	0.4671	0.5583	0.5862	0.7611
	Activity	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0004	0.0005
	Hauling	0.0004	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0222	0.0233	0.0279
	Total	0.0431	0.4859	0.4859	0.4859	0.4859	0.4859	0.4859	0.4859	0.4859	0.5809	0.6098	0.7894
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0285
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1993
All Areas	Equipment	0.2800	0.7044	0.7044	0.7044	0.4968	0.5379	0.5379	0.7392	0.7392	0.8304	0.8582	1.2035
TOTALS	Activity	0.0013	0.0016	0.0016	0.0016	0.0003	0.0003	0.0003	0.0011	0.0011	0.0011	0.0011	0.0017
	Hauling	0.0807	0.0987	0.0987	0.0987	0.0186	0.0198	0.0198	0.0652	0.0652	0.0690	0.0701	0.1032
2.0911	Total	0.362	0.805	0.805	0.805	0.516	0.558	0.558	0.806	0.8055	0.9005	0.929	1.308
YEARLY TOTALS		9.157											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0543	0.0543
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051	0.0051
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0595	0.0595
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0523	0.0523	0.0523
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0049	0.0049
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0573	0.0573	0.0573
La Brea/Santa Monica	Equipment	0.2721	0.2721	0.2721	0.0439	0.0439	0.2475	0.2475	0.2475	0.2475	0.2475	0.2475	0.2987
	Activity	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0468	0.0468	0.0468	0.0012	0.0012	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0068
	Total	0.3196	0.3196	0.3196	0.0452	0.0452	0.2495	0.2495	0.2495	0.2495	0.2495	0.2495	0.3056
Fairfax/Santa Monica Station	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559
Hollywood Bowl Option: 1 of 2	Equipment	1.3931	1.3931	1.4063	1.4063	1.4063	0.8981	0.8981	0.8981	0.8981	0.6673	0.6673	0.6673
	Activity	0.0007	0.0007	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Hauling	0.0427	0.0427	0.0339	0.0339	0.0339	0.0232	0.0232	0.0232	0.0232	0.0172	0.0172	0.0172
	Total	1.4365	1.4365	1.4407	1.4407	1.4407	0.9216	0.9216	0.9216	0.9216	0.6848	0.6848	0.6848
MSF	Equipment	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.2263
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000
	Hauling	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0020
	Total	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.2283
All Areas	Equipment	1.8863	1.8863	1.8995	1.6713	1.6713	1.3667	1.3667	1.3667	1.3667	1.1882	1.2425	1.3496
TOTALS	Activity	0.0020	0.0020	0.0019	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.0009	0.0010	0.0007
	Hauling	0.1230	0.1230	0.1141	0.0685	0.0685	0.0586	0.0586	0.0586	0.0586	0.0576	0.0627	0.0411
2.0911	Total	2.011	2.011	2.015	1.741	1.741	1.426	1.426	1.426	1.426	1.247	1.306	1.391
YEARLY TOTALS		19.170											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595
Hollywood/Highland	Equipment	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
	Total	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573	0.0573
La Brea/Santa Monica	Equipment	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548	0.2548
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056
	Total	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604	0.2604
Fairfax/Santa Monica Station	Equipment	0.0509	0.0509	0.0509	0.1838	0.1838	0.1838	0.1838	0.1838	0.1838	0.2880	0.2880	0.2880
	Activity	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0050	0.0050	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0018	0.0018	0.0018
	Total	0.0559	0.0559	0.0559	0.2220	0.2220	0.2220	0.2220	0.2220	0.2220	0.2898	0.2898	0.2898
Hollywood Bowl Option: 1 of 2	Equipment	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.6926	0.7017	0.7017	0.7017
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0119	0.0099	0.0099	0.0099
	Total	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7047	0.7118	0.7118	0.7118
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
All Areas	Equipment	1.3310	1.3310	1.3310	1.4639	1.4639	1.4639	1.4639	1.4639	1.4639	1.5772	1.5772	1.5772
TOTALS	Activity	0.0006	0.0006	0.0006	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0005	0.0005	0.0005
	Hauling	0.0345	0.0345	0.0345	0.0671	0.0671	0.0671	0.0671	0.0671	0.0671	0.0294	0.0294	0.0294
2.0911	Total	1.366	1.366	1.366	1.532	1.532	1.532	1.532	1.532	1.532	1.607	1.607	1.607
YEARLY TOTALS		18.113											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Total	0.0000	0.0000	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
Fairfax/3rd/Beverly	Equipment	0.1801	0.1801	0.1801	0.1801	0.1801	0.1801	0.2647	0.3001	0.3001	0.2156	0.2156	0.2156
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0245	0.0245	0.0245	0.0245	0.0245	0.0245	0.0250	0.0018	0.0018	0.0013	0.0013	0.0013
	Total	0.2050	0.2050	0.2050	0.2050	0.2050	0.2050	0.2902	0.3020	0.3020	0.2168	0.2168	0.2168
Hollywood/Highland	Equipment	0.0523	0.0523	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417	0.2957	0.3162
	Activity	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000
	Hauling	0.0049	0.0049	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0253	0.0018
	Total	0.0573	0.0573	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.1669	0.3214	0.3181
La Brea/Santa Monica	Equipment	0.2548	0.2493	0.2493	0.2493	0.2970	0.2970	0.2970	0.2970	0.3628	0.4500	0.3842	0.3842
	Activity	0.0001	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0056	0.0017	0.0017	0.0017	0.0202	0.0202	0.0202	0.0202	0.0206	0.0026	0.0022	0.0022
	Total	0.2604	0.2510	0.2510	0.2510	0.3176	0.3176	0.3176	0.3176	0.3838	0.4527	0.3864	0.3864
Fairfax/Santa Monica Station	Equipment	0.2034	0.2034	0.2034	0.2034	0.0684	0.0684	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0012	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2046	0.2046	0.2046	0.2046	0.0686	0.0686	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.7017	0.7017	0.6469	0.7026	0.7026	0.7026	0.6834	0.7656	0.7656	0.8137	0.8137	0.8567
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0005
	Hauling	0.0099	0.0099	0.0112	0.0124	0.0124	0.0124	0.0112	0.0127	0.0127	0.0158	0.0158	0.0310
	Total	0.7118	0.7118	0.6583	0.7152	0.7152	0.7152	0.6948	0.7785	0.7785	0.8297	0.8297	0.8883
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
All Areas	Equipment	1.6185	1.6130	1.6986	1.7543	1.6670	1.6670	1.6640	1.7816	1.8474	1.8981	1.9863	2.0498
TOTALS	Activity	0.0008	0.0007	0.0011	0.0011	0.0015	0.0015	0.0014	0.0011	0.0011	0.0008	0.0008	0.0006
	Hauling	0.0482	0.0443	0.0676	0.0688	0.0863	0.0863	0.0854	0.0637	0.0641	0.0487	0.0488	0.0406
2.0911	Total	1.667	1.658	1.767	1.824	1.755	1.755	1.751	1.846	1.913	1.948	2.036	2.091
YEARLY TOTALS		22.011											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0509	0.0509	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490	0.0490
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Total	0.0532	0.0532	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494	0.0494
Fairfax/3rd/Beverly	Equipment	0.2156	0.0781	0.0781	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2168	0.0784	0.0784	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.3162	0.1622	0.1622	0.1622	0.1622	0.1622	0.1152	0.1152	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0013	0.0013	0.0013	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000
	Total	0.3181	0.1635	0.1635	0.1635	0.1635	0.1635	0.1154	0.1154	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.3385	0.3385	0.2036	0.2036	0.2036	0.2036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3398	0.3398	0.2043	0.2043	0.2043	0.2043	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.8567	0.8567	0.8567	0.7319	0.7319	0.7319	0.2263	0.2263	0.2263	0.2172	0.2172	0.2172
	Activity	0.0005	0.0005	0.0005	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0310	0.0310	0.0310	0.0144	0.0144	0.0144	0.0027	0.0027	0.0027	0.0009	0.0009	0.0009
	Total	0.8883	0.8883	0.8883	0.7465	0.7465	0.7465	0.2290	0.2290	0.2290	0.2181	0.2181	0.2181
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.0000
All Areas	Equipment	2.0041	1.7126	1.5758	1.3729	1.3729	1.3729	0.6167	0.6167	0.5015	0.4924	0.4924	0.2661
TOTALS	Activity	0.0006	0.0006	0.0006	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0397	0.0381	0.0358	0.0188	0.0188	0.0188	0.0053	0.0053	0.0051	0.0033	0.0033	0.0013
2.0911	Total	2.044	1.751	1.612	1.392	1.392	1.392	0.622	0.622	0.507	0.496	0.496	0.267
YEARLY TOTALS		12.594											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0490	0.0490	0.0490	0.0675	0.0675	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0494	0.0494	0.0494	0.0679	0.0679	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.2981	0.3361	0.2937	0.1791	0.1791	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0042	0.0281	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3022	0.3404	0.3223	0.1797	0.1797	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3471	0.3851	0.3426	0.2465	0.2465	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0001	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0046	0.0285	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2.0911	Total	0.352	0.390	0.372	0.248	0.248	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		1.608											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090	0.0090	0.0090
0.3516	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0188	0.0188
Hollywood/Highland	Equipment	0.0000	0.0000	0.0198	0.0198	0.0198	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0297	0.0297	0.0297	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.57	Total	0.0000	0.0000	0.0498	0.0498	0.0498	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0385	0.0200	0.0200	0.0200	0.0200	0.0575
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0002
	Hauling	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0287	0.0011	0.0011	0.0011	0.0011	0.0242
	Total	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0675	0.0211	0.0211	0.0211	0.0211	0.0819
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0307	0.0221
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0090	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0164	0.0164	0.0164	0.0164	0.0164	0.0164	0.0398	0.0233
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075	0.0075	0.0210
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069	0.0069	0.0011
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0144	0.0221
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0383	0.0383	0.0469	0.0498	0.0698	0.0513	0.0513	0.0685	0.0907	0.1331
TOTALS	Activity	0.0000	0.0000	0.0005	0.0005	0.0006	0.0003	0.0004	0.0001	0.0001	0.0002	0.0002	0.0003
	Hauling	0.0000	0.0000	0.0573	0.0573	0.0652	0.0367	0.0378	0.0101	0.0101	0.0260	0.0272	0.0367
1.6726	Total	0.000	0.000	0.096	0.096	0.113	0.087	0.108	0.062	0.062	0.095	0.118	0.170
YEARLY TOTALS		1.006											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0097	0.0097	0.0319	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.1180
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0022
	Hauling	0.0090	0.0090	0.0101	0.0011	0.0011	0.0011	0.0256	0.0256	0.0256	0.0272	0.0028	0.2314
0.3516	Total	0.0188	0.0188	0.0421	0.0233	0.0233	0.0233	0.0947	0.0947	0.0947	0.1023	0.0310	0.3516
Hollywood/Highland	Equipment	0.0228	0.0659	0.0659	0.0659	0.0659	0.0659	0.0659	0.0431	0.0551	0.0121	0.0121	0.2134
	Activity	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0033
	Hauling	0.0012	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1031	0.1047	0.0016	0.0016	0.3536
0.57	Total	0.0240	0.1711	0.1711	0.1711	0.1711	0.1711	0.1711	0.1471	0.1608	0.0137	0.0137	0.5703
La Brea/Santa Monica	Equipment	0.0575	0.0645	0.1214	0.1014	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0006	0.0006
	Hauling	0.0242	0.0261	0.0696	0.0686	0.0686	0.0686	0.0686	0.0686	0.0686	0.0694	0.0686	0.0686
	Total	0.0819	0.0908	0.1917	0.1706	0.1706	0.1706	0.1706	0.1706	0.1706	0.1743	0.1706	0.1706
Fairfax/Santa Monica Station	Equipment	0.0221	0.0221	0.0689	0.0689	0.0689	0.0769	0.0302	0.1008	0.1008	0.1008	0.1008	0.1008
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
	Hauling	0.0012	0.0012	0.0256	0.0256	0.0256	0.0278	0.0034	0.2272	0.2272	0.2272	0.2272	0.2272
	Total	0.0233	0.0233	0.0947	0.0947	0.0947	0.1050	0.0336	0.3302	0.3302	0.3302	0.3302	0.3302
Hollywood Bowl Option: 1 of 2	Equipment	0.0210	0.0128	0.0128	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.0033
	Activity	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Hauling	0.0011	0.0141	0.0141	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0095
	Total	0.0221	0.0270	0.0270	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.0129
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1331	0.1751	0.3008	0.4200	0.4200	0.4280	0.4280	0.4758	0.4879	0.4538	0.4041	0.5368
TOTALS	Activity	0.0003	0.0014	0.0021	0.0021	0.0021	0.0021	0.0021	0.0042	0.0043	0.0033	0.0031	0.0084
	Hauling	0.0367	0.1546	0.2237	0.2243	0.2243	0.2265	0.2265	0.4491	0.4507	0.3502	0.3249	0.8904
1.6726	Total	0.170	0.331	0.527	0.646	0.646	0.657	0.657	0.929	0.943	0.807	0.732	1.436
YEARLY TOTALS		8.481											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.1120	0.0000	0.0000	0.0000	0.0000
	Activity	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2298	0.2298	0.2298	0.2298	0.2298	0.2298	0.2298	0.2298	0.0000	0.0000	0.0000	0.0000
0.3516	Total	0.3439	0.3439	0.3439	0.3439	0.3439	0.3439	0.3439	0.3439	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.2134	0.2134	0.2134	0.2134	0.2134	0.2134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3536	0.3536	0.3536	0.3536	0.3536	0.3536	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.5703	0.5703	0.5703	0.5703	0.5703	0.5703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.1014	0.1036	0.1036	0.1259	0.1259	0.1259	0.1259	0.1259	0.1259	0.1259	0.1259	0.1259
	Activity	0.0006	0.0007	0.0007	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
	Hauling	0.0686	0.0689	0.0689	0.2867	0.2867	0.2867	0.2867	0.2867	0.2867	0.2867	0.2867	0.2867
	Total	0.1706	0.1732	0.1732	0.4153	0.4153	0.4153	0.4153	0.4153	0.4153	0.4153	0.4153	0.4153
Fairfax/Santa Monica Station	Equipment	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2272	0.2272	0.2272	0.2272	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3302	0.3302	0.3302	0.3302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0056	0.0056	0.0056	0.0056
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0010	0.0010	0.0010	0.0010
	Total	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0066	0.0066	0.0066	0.0066
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.5308	0.5330	0.5330	0.5554	0.4546	0.4546	0.2412	0.2412	0.1315	0.1315	0.1315	0.1315
TOTALS	Activity	0.0084	0.0084	0.0084	0.0105	0.0083	0.0083	0.0050	0.0050	0.0027	0.0027	0.0027	0.0027
	Hauling	0.8887	0.8891	0.8891	1.1068	0.8796	0.8796	0.5259	0.5259	0.2877	0.2877	0.2877	0.2877
1.6726	Total	1.428	1.431	1.431	1.673	1.342	1.342	0.772	0.772	0.422	0.422	0.422	0.422
YEARLY TOTALS		11.878											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3516	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.1259	0.1259	0.1259	0.1259	0.0000	0.0395	0.0395	0.1584	0.1584	0.1584	0.1584	0.1584
	Activity	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.2867	0.2867	0.2867	0.2867	0.0000	0.0049	0.0049	0.1701	0.1701	0.1701	0.1701	0.1701
	Total	0.4153	0.4153	0.4153	0.4153	0.0000	0.0445	0.0445	0.3301	0.3301	0.3301	0.3301	0.3301
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0056	0.1771	0.1771	0.1771	0.1771	0.1771	0.1771	0.1771	0.1771	0.1899	0.2095	0.3621
	Activity	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0008	0.0010
	Hauling	0.0010	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0657	0.0795	0.0834	0.1005
	Total	0.0066	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434	0.2434	0.2701	0.2937	0.4636
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0450
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1049
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1509
All Areas	Equipment	0.1315	0.3030	0.3030	0.3030	0.1797	0.2166	0.2166	0.3354	0.3354	0.3483	0.3679	0.5655
TOTALS	Activity	0.0027	0.0033	0.0033	0.0033	0.0006	0.0007	0.0007	0.0022	0.0022	0.0024	0.0024	0.0036
	Hauling	0.2877	0.3523	0.3523	0.3523	0.0659	0.0706	0.0706	0.2358	0.2358	0.2496	0.2535	0.3756
1.6726	Total	0.422	0.659	0.659	0.659	0.246	0.288	0.2878	0.5735	0.5735	0.6003	0.624	0.945
YEARLY TOTALS		6.535											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0193	0.0193
0.3516	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0044	0.0044	0.0044
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0186	0.0186	0.0186
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0233	0.0233	0.0233
La Brea/Santa Monica	Equipment	0.1584	0.1584	0.1584	0.0373	0.0373	0.0570	0.0570	0.0570	0.0570	0.0570	0.0570	0.0613
	Activity	0.0016	0.0016	0.0016	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
	Hauling	0.1701	0.1701	0.1701	0.0046	0.0046	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063	0.0246
	Total	0.3301	0.3301	0.3301	0.0419	0.0419	0.0633	0.0633	0.0633	0.0633	0.0633	0.0633	0.0861
Fairfax/Santa Monica Station	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
	Total	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
Hollywood Bowl Option: 1 of 2	Equipment	0.5656	0.5656	0.5465	0.5465	0.5465	0.3689	0.3689	0.3689	0.3689	0.2067	0.2067	0.2067
	Activity	0.0014	0.0014	0.0011	0.0011	0.0011	0.0008	0.0008	0.0008	0.0008	0.0006	0.0006	0.0006
	Hauling	0.1528	0.1528	0.1210	0.1210	0.1210	0.0832	0.0832	0.0832	0.0832	0.0613	0.0613	0.0613
	Total	0.7198	0.7198	0.6686	0.6686	0.6686	0.4530	0.4530	0.4530	0.4530	0.2685	0.2685	0.2685
MSF	Equipment	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0610
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001
	Hauling	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.0065
	Total	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.0676
All Areas	Equipment	0.7732	0.7732	0.7542	0.6331	0.6331	0.4752	0.4752	0.4752	0.4752	0.3174	0.3220	0.3424
TOTALS	Activity	0.0042	0.0042	0.0039	0.0024	0.0024	0.0020	0.0020	0.0020	0.0020	0.0020	0.0022	0.0014
	Hauling	0.4462	0.4462	0.4143	0.2488	0.2488	0.2127	0.2127	0.2127	0.2127	0.2094	0.2288	0.1486
1.6726	Total	1.224	1.224	1.172	0.884	0.884	0.690	0.690	0.6899	0.6899	0.529	0.553	0.492
YEARLY TOTALS		9.722											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193
0.3516	Total	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241
Hollywood/Highland	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186	0.0186
0.57	Total	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233
La Brea/Santa Monica	Equipment	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200	0.0200
	Total	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442	0.0442
Fairfax/Santa Monica Station	Equipment	0.0043	0.0043	0.0043	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0462	0.0462	0.0462
	Activity	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000
	Hauling	0.0183	0.0183	0.0183	0.1435	0.1435	0.1435	0.1435	0.1435	0.1435	0.0041	0.0041	0.0041
	Total	0.0227	0.0227	0.0227	0.1742	0.1742	0.1742	0.1742	0.1742	0.1742	0.0503	0.0503	0.0503
Hollywood Bowl Option: 1 of 2	Equipment	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2148	0.2174	0.2174	0.2174
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Hauling	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0424	0.0344	0.0344	0.0344
	Total	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2576	0.2521	0.2521	0.2521
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
All Areas	Equipment	0.3132	0.3132	0.3132	0.3383	0.3383	0.3383	0.3383	0.3383	0.3383	0.3576	0.3576	0.3576
TOTALS	Activity	0.0012	0.0012	0.0012	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0010	0.0010	0.0010
	Hauling	0.1252	0.1252	0.1252	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.1030	0.1030	0.1030
1.6726	Total	0.440	0.440	0.440	0.591	0.591	0.591	0.591	0.591	0.591	0.462	0.462	0.462
YEARLY TOTALS		6.250											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090
	Total	0.0000	0.0000	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
Fairfax/3rd/Beverly	Equipment	0.0286	0.0286	0.0286	0.0286	0.0286	0.0286	0.0433	0.0481	0.0481	0.0334	0.0334	0.0334
	Activity	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0930	0.0930	0.0930	0.0930	0.0930	0.0930	0.0943	0.0042	0.0042	0.0029	0.0029	0.0029
0.3516	Total	0.1225	0.1225	0.1225	0.1225	0.1225	0.1225	0.1385	0.0523	0.0523	0.0363	0.0363	0.0363
Hollywood/Highland	Equipment	0.0044	0.0044	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0237	0.0412	0.0424
	Activity	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000
	Hauling	0.0186	0.0186	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0961	0.0974	0.0041
0.57	Total	0.0233	0.0233	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1208	0.1396	0.0465
La Brea/Santa Monica	Equipment	0.0240	0.0257	0.0257	0.0257	0.0345	0.0345	0.0345	0.0345	0.0460	0.0590	0.0476	0.0476
	Activity	0.0002	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0000	0.0000
	Hauling	0.0200	0.0039	0.0039	0.0039	0.0771	0.0771	0.0771	0.0771	0.0781	0.0060	0.0051	0.0051
	Total	0.0442	0.0296	0.0296	0.0296	0.1124	0.1124	0.1124	0.1124	0.1248	0.0651	0.0527	0.0527
Fairfax/Santa Monica Station	Equipment	0.0314	0.0314	0.0314	0.0314	0.0111	0.0111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0343	0.0343	0.0343	0.0343	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.2174	0.2174	0.1997	0.2077	0.2077	0.2077	0.2153	0.2418	0.2418	0.2370	0.2370	0.3274
	Activity	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0006	0.0006	0.0012
	Hauling	0.0344	0.0344	0.0413	0.0465	0.0465	0.0465	0.0413	0.0468	0.0468	0.0595	0.0595	0.1201
	Total	0.2521	0.2521	0.2415	0.2546	0.2546	0.2546	0.2570	0.2890	0.2890	0.2971	0.2971	0.4486
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
All Areas	Equipment	0.3669	0.3686	0.3745	0.3825	0.3710	0.3710	0.3823	0.4135	0.4249	0.4185	0.4246	0.5160
TOTALS	Activity	0.0017	0.0015	0.0024	0.0025	0.0031	0.0031	0.0031	0.0023	0.0023	0.0017	0.0017	0.0014
	Hauling	0.1754	0.1593	0.2527	0.2579	0.3289	0.3289	0.3243	0.2397	0.2407	0.1802	0.1804	0.1477
1.6726	Total	0.544	0.529	0.630	0.643	0.703	0.703	0.710	0.656	0.668	0.600	0.607	0.665
YEARLY TOTALS		7.657											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0043	0.0043	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0090	0.0090	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0134	0.0134	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
Fairfax/3rd/Beverly	Equipment	0.0334	0.0127	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3516	Total	0.0363	0.0134	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0424	0.0249	0.0249	0.0249	0.0249	0.0249	0.0187	0.0187	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0041	0.0029	0.0029	0.0029	0.0029	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0465	0.0278	0.0278	0.0278	0.0278	0.0278	0.0194	0.0194	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0416	0.0416	0.0197	0.0197	0.0197	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0018	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0445	0.0445	0.0215	0.0215	0.0215	0.0215	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.3274	0.3274	0.3274	0.2244	0.2244	0.2244	0.0213	0.0213	0.0213	0.0223	0.0223	0.0223
	Activity	0.0012	0.0012	0.0012	0.0005	0.0005	0.0005	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.1201	0.1201	0.1201	0.0543	0.0543	0.0543	0.0097	0.0097	0.0097	0.0021	0.0021	0.0021
	Total	0.4486	0.4486	0.4486	0.2792	0.2792	0.2792	0.0311	0.0311	0.0311	0.0244	0.0244	0.0244
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0000
All Areas	Equipment	0.5101	0.4719	0.4520	0.3364	0.3364	0.3364	0.1075	0.1075	0.0888	0.0897	0.0897	0.0287
TOTALS	Activity	0.0014	0.0014	0.0013	0.0006	0.0006	0.0006	0.0002	0.0002	0.0002	0.0001	0.0001	0.0000
	Hauling	0.1456	0.1421	0.1328	0.0663	0.0663	0.0663	0.0178	0.0178	0.0171	0.0095	0.0095	0.0030
1.6726	Total	0.657	0.615	0.586	0.403	0.403	0.403	0.125	0.125	0.106	0.099	0.099	0.032
YEARLY TOTALS		3.655											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0064	0.0064	0.0064	0.0110	0.0110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0073	0.0073	0.0073	0.0120	0.0120	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3516	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0373	0.0443	0.0386	0.0173	0.0173	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0148	0.0151	0.1153	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0523	0.0595	0.1550	0.0187	0.0187	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0437	0.0507	0.0450	0.0283	0.0283	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0002	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0157	0.0160	0.1162	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.6726	Total	0.060	0.067	0.162	0.031	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.350											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021
0.1099	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129
Hollywood/Highland	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0120	0.0120	0.0120	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
	Hauling	0.0000	0.0000	0.0069	0.0069	0.0069	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0195	0.0195	0.0195	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0020
	Activity	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0406	0.0200	0.0200	0.0200	0.0200	0.0388
	Hauling	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0072	0.0008	0.0008	0.0008	0.0008	0.0063
	Total	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0489	0.0213	0.0213	0.0213	0.0213	0.0471
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0008	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0092	0.0092	0.0092	0.0092	0.0092	0.0092	0.0313	0.0221
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0027	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0348	0.0236
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0209
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016	0.0008
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0099	0.0099	0.0223
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0011	0.0011	0.0013	0.0013	0.0019	0.0014	0.0014	0.0018	0.0024	0.0040
TOTALS	Activity	0.0000	0.0000	0.0327	0.0327	0.0419	0.0526	0.0726	0.0519	0.0519	0.0705	0.0926	0.1151
	Hauling	0.0000	0.0000	0.0133	0.0133	0.0152	0.0092	0.0100	0.0035	0.0035	0.0072	0.0081	0.0110
0.4426	Total	0.000	0.000	0.047	0.047	0.058	0.063	0.084	0.057	0.057	0.080	0.103	0.130
YEARLY TOTALS		0.727											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0009	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0035
	Activity	0.0105	0.0105	0.0326	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0511
	Hauling	0.0021	0.0021	0.0030	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0553
0.1099	Total	0.0129	0.0129	0.0365	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.1099
Hollywood/Highland	Equipment	0.0006	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0017	0.0021	0.0004	0.0004	0.0062
	Activity	0.0227	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0233	0.0233	0.0000	0.0000	0.0500
	Hauling	0.0009	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0248	0.0261	0.0013	0.0013	0.0831
	Total	0.0242	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0498	0.0516	0.0017	0.0017	0.1393
La Brea/Santa Monica	Equipment	0.0020	0.0023	0.0035	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0388	0.0388	0.0648	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449	0.0449
	Hauling	0.0063	0.0078	0.0169	0.0161	0.0161	0.0161	0.0161	0.0161	0.0161	0.0168	0.0161	0.0161
	Total	0.0471	0.0489	0.0852	0.0639	0.0639	0.0639	0.0639	0.0639	0.0639	0.0647	0.0639	0.0639
Fairfax/Santa Monica Station	Equipment	0.0006	0.0006	0.0024	0.0024	0.0024	0.0027	0.0009	0.0029	0.0029	0.0029	0.0029	0.0029
	Activity	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0462	0.0462	0.0462	0.0462	0.0462
	Hauling	0.0009	0.0009	0.0068	0.0068	0.0068	0.0085	0.0026	0.0534	0.0534	0.0534	0.0534	0.0534
	Total	0.0236	0.0236	0.0514	0.0514	0.0514	0.0535	0.0256	0.1025	0.1025	0.1025	0.1025	0.1025
Hollywood Bowl Option: 1 of 2	Equipment	0.0006	0.0005	0.0005	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0001
	Activity	0.0209	0.0116	0.0116	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0000
	Hauling	0.0008	0.0034	0.0034	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0022
	Total	0.0223	0.0155	0.0155	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0024
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0040	0.0060	0.0096	0.0105	0.0105	0.0108	0.0108	0.0123	0.0127	0.0113	0.0093	0.0158
TOTALS	Activity	0.1151	0.1291	0.1973	0.1988	0.1988	0.1988	0.1988	0.2002	0.2002	0.1769	0.1567	0.1921
	Hauling	0.0110	0.0399	0.0557	0.0552	0.0552	0.0570	0.0570	0.1068	0.1081	0.0853	0.0788	0.2101
0.4426	Total	0.130	0.175	0.263	0.265	0.265	0.267	0.267	0.319	0.321	0.274	0.245	0.418
YEARLY TOTALS		3.207											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000
	Activity	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0511	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0540	0.0540	0.0540	0.0540	0.0540	0.0540	0.0540	0.0540	0.0000	0.0000	0.0000	0.0000
0.1099	Total	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.1083	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0831	0.0831	0.0831	0.0831	0.0831	0.0831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1393	0.1393	0.1393	0.1393	0.1393	0.1393	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0030	0.0031	0.0031	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
	Activity	0.0449	0.0449	0.0449	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
	Hauling	0.0161	0.0164	0.0164	0.0706	0.0706	0.0706	0.0706	0.0706	0.0706	0.0706	0.0706	0.0706
	Total	0.0639	0.0643	0.0643	0.0901	0.0901	0.0901	0.0901	0.0901	0.0901	0.0901	0.0901	0.0901
Fairfax/Santa Monica Station	Equipment	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0462	0.0462	0.0462	0.0462	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0534	0.0534	0.0534	0.0534	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1025	0.1025	0.1025	0.1025	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0008	0.0008	0.0008	0.0008
	Total	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0012	0.0012	0.0012	0.0012
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0155	0.0156	0.0156	0.0156	0.0127	0.0127	0.0064	0.0064	0.0033	0.0033	0.0033	0.0033
TOTALS	Activity	0.1921	0.1921	0.1921	0.1637	0.1176	0.1176	0.0676	0.0676	0.0165	0.0165	0.0165	0.0165
	Hauling	0.2088	0.2091	0.2091	0.2632	0.2099	0.2099	0.1268	0.1268	0.0714	0.0714	0.0714	0.0714
0.4426	Total	0.416	0.417	0.417	0.443	0.340	0.340	0.201	0.201	0.091	0.091	0.091	0.091
YEARLY TOTALS		3.140											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1099	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0030	0.0030	0.0030	0.0030	0.0000	0.0015	0.0015	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0165	0.0165	0.0165	0.0165	0.0000	0.0252	0.0252	0.0401	0.0401	0.0401	0.0401	0.0401
	Hauling	0.0706	0.0706	0.0706	0.0706	0.0000	0.0014	0.0014	0.0432	0.0432	0.0432	0.0432	0.0432
	Total	0.0901	0.0901	0.0901	0.0901	0.0000	0.0281	0.0281	0.0876	0.0876	0.0876	0.0876	0.0876
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0003	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0038	0.0045	0.0064
	Activity	0.0000	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0256	0.0473	0.0795
	Hauling	0.0008	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0217	0.0226	0.0266
	Total	0.0012	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0357	0.0512	0.0744	0.1125
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0250
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0746
All Areas	Equipment	0.0033	0.0063	0.0063	0.0063	0.0034	0.0047	0.0047	0.0076	0.0076	0.0081	0.0087	0.0118
TOTALS	Activity	0.0165	0.0306	0.0306	0.0306	0.0140	0.0393	0.0393	0.0541	0.0541	0.0657	0.0874	0.1680
	Hauling	0.0714	0.0889	0.0889	0.0889	0.0186	0.0197	0.0197	0.0615	0.0615	0.0649	0.0658	0.0949
0.4426	Total	0.091	0.126	0.126	0.126	0.036	0.0637	0.0637	0.1232	0.1232	0.139	0.162	0.275
YEARLY TOTALS		1.454											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046
0.1099	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0048
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047	0.0047
La Brea/Santa Monica	Equipment	0.0043	0.0043	0.0043	0.0014	0.0014	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0023
	Activity	0.0401	0.0401	0.0401	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252
	Hauling	0.0432	0.0432	0.0432	0.0011	0.0011	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0071
	Total	0.0876	0.0876	0.0876	0.0277	0.0277	0.0301	0.0301	0.0301	0.0301	0.0301	0.0301	0.0347
Fairfax/Santa Monica Station	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
Hollywood Bowl Option: 1 of 2	Equipment	0.0103	0.0103	0.0098	0.0098	0.0098	0.0064	0.0064	0.0064	0.0064	0.0041	0.0041	0.0041
	Activity	0.0934	0.0934	0.0711	0.0711	0.0711	0.0577	0.0577	0.0577	0.0577	0.0140	0.0140	0.0140
	Hauling	0.0418	0.0418	0.0342	0.0342	0.0342	0.0225	0.0225	0.0225	0.0225	0.0173	0.0173	0.0173
	Total	0.1456	0.1456	0.1151	0.1151	0.1151	0.0866	0.0866	0.0866	0.0866	0.0353	0.0353	0.0353
MSF	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0010
	Activity	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0333
	Hauling	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0028
	Total	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0371
All Areas	Equipment	0.0160	0.0160	0.0154	0.0125	0.0125	0.0099	0.0099	0.0099	0.0099	0.0077	0.0079	0.0079
TOTALS	Activity	0.1819	0.1819	0.1596	0.1447	0.1447	0.1313	0.1313	0.1313	0.1313	0.0876	0.0876	0.0726
	Hauling	0.1144	0.1144	0.1068	0.0647	0.0647	0.0546	0.0546	0.0546	0.0546	0.0539	0.0585	0.0407
0.4426	Total	0.312	0.312	0.282	0.222	0.222	0.196	0.1959	0.1959	0.196	0.149	0.154	0.121
YEARLY TOTALS		2.558											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.1099	Total	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
La Brea/Santa Monica	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070
Fairfax/Santa Monica Station	Equipment	0.0002	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0022	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0100	0.0100	0.0100
	Hauling	0.0044	0.0044	0.0044	0.0362	0.0362	0.0362	0.0362	0.0362	0.0362	0.0041	0.0041	0.0041
	Total	0.0045	0.0045	0.0045	0.0606	0.0606	0.0606	0.0606	0.0606	0.0606	0.0163	0.0163	0.0163
Hollywood Bowl Option: 1 of 2	Equipment	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0045	0.0045	0.0045
	Activity	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143
	Hauling	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0117	0.0117	0.0117
	Total	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0316	0.0305	0.0305	0.0305
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
All Areas	Equipment	0.0067	0.0067	0.0067	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0090	0.0090	0.0090
TOTALS	Activity	0.0477	0.0477	0.0477	0.0705	0.0705	0.0705	0.0705	0.0705	0.0705	0.0577	0.0577	0.0577
	Hauling	0.0353	0.0353	0.0353	0.0671	0.0671	0.0671	0.0671	0.0671	0.0671	0.0337	0.0337	0.0337
0.4426	Total	0.090	0.090	0.090	0.146	0.146	0.146	0.146	0.146	0.146	0.100	0.100	0.100
YEARLY TOTALS		1.444											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
Fairfax/3rd/Beverly	Equipment	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0019	0.0023	0.0023	0.0019	0.0019	0.0019
	Activity	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0115	0.0115	0.0115	0.0115	0.0115
	Hauling	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0254	0.0042	0.0042	0.0029	0.0029	0.0029
0.1099	Total	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0471	0.0180	0.0180	0.0163	0.0163	0.0163
Hollywood/Highland	Equipment	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0017	0.0021
	Activity	0.0000	0.0000	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0219	0.0113
	Hauling	0.0045	0.0045	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0263	0.0042
	Total	0.0047	0.0047	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0479	0.0499	0.0176
La Brea/Santa Monica	Equipment	0.0009	0.0011	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014	0.0017	0.0026	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0219	0.0219	0.0219	0.0219	0.0220	0.0198	0.0198	0.0198
	Hauling	0.0060	0.0039	0.0039	0.0039	0.0216	0.0216	0.0216	0.0216	0.0226	0.0060	0.0050	0.0050
	Total	0.0070	0.0050	0.0050	0.0050	0.0449	0.0449	0.0449	0.0449	0.0463	0.0285	0.0272	0.0272
Fairfax/Santa Monica Station	Equipment	0.0018	0.0018	0.0018	0.0018	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0146	0.0146	0.0146	0.0146	0.0112	0.0112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0045	0.0045	0.0041	0.0042	0.0042	0.0042	0.0043	0.0049	0.0049	0.0050	0.0050	0.0075
	Activity	0.0143	0.0143	0.0131	0.0206	0.0206	0.0206	0.0344	0.0363	0.0363	0.0266	0.0266	0.0606
	Hauling	0.0117	0.0117	0.0133	0.0139	0.0139	0.0139	0.0133	0.0149	0.0149	0.0175	0.0175	0.0320
	Total	0.0305	0.0305	0.0305	0.0386	0.0386	0.0386	0.0520	0.0561	0.0561	0.0491	0.0491	0.1001
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
All Areas	Equipment	0.0099	0.0101	0.0108	0.0108	0.0099	0.0099	0.0099	0.0108	0.0111	0.0117	0.0121	0.0150
TOTALS	Activity	0.0775	0.0775	0.0982	0.1056	0.1275	0.1275	0.1314	0.1250	0.1250	0.1131	0.1131	0.1365
	Hauling	0.0519	0.0497	0.0739	0.0746	0.0901	0.0901	0.0902	0.0707	0.0717	0.0564	0.0566	0.0492
0.4426	Total	0.139	0.137	0.183	0.191	0.228	0.228	0.231	0.206	0.208	0.181	0.182	0.201
YEARLY TOTALS		2.315											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0002	0.0002	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0023	0.0023	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
Fairfax/3rd/Beverly	Equipment	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0115	0.0115	0.0115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1099	Total	0.0163	0.0128	0.0128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0021	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000
	Activity	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0042	0.0029	0.0029	0.0029	0.0029	0.0029	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
	Total	0.0176	0.0156	0.0156	0.0156	0.0156	0.0156	0.0130	0.0130	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0020	0.0020	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0017	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0246	0.0246	0.0024	0.0024	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0075	0.0075	0.0075	0.0044	0.0044	0.0044	0.0008	0.0008	0.0008	0.0010	0.0010	0.0010
	Activity	0.0606	0.0606	0.0606	0.0150	0.0150	0.0150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0320	0.0320	0.0320	0.0161	0.0161	0.0161	0.0035	0.0035	0.0035	0.0022	0.0022	0.0022
	Total	0.1001	0.1001	0.1001	0.0356	0.0356	0.0356	0.0043	0.0043	0.0043	0.0031	0.0031	0.0031
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0000
All Areas	Equipment	0.0147	0.0127	0.0117	0.0080	0.0080	0.0080	0.0032	0.0032	0.0022	0.0023	0.0023	0.0013
TOTALS	Activity	0.1365	0.1365	0.1167	0.0596	0.0596	0.0596	0.0446	0.0446	0.0333	0.0333	0.0333	0.0000
	Hauling	0.0469	0.0434	0.0410	0.0244	0.0244	0.0244	0.0079	0.0079	0.0072	0.0059	0.0059	0.0031
0.4426	Total	0.198	0.193	0.169	0.092	0.092	0.092	0.056	0.056	0.043	0.042	0.042	0.004
YEARLY TOTALS		1.078											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0004	0.0004	0.0004	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0013	0.0013	0.0013	0.0216	0.0216	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1099	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0015	0.0017	0.0015	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0183	0.0183	0.0341	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0056	0.0291	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0251	0.0256	0.0646	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0019	0.0021	0.0018	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0183	0.0183	0.0341	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0062	0.0066	0.0301	0.0026	0.0026	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4426	Total	0.026	0.027	0.066	0.024	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.167											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
0.0406	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082
Hollywood/Highland	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
0.0010	Activity	0.0000	0.0000	0.0080	0.0080	0.0080	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0095	0.0095	0.0095	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0019
0.0019	Activity	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0264	0.0118	0.0118	0.0118	0.0118	0.0226
	Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0009
	Total	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0284	0.0123	0.0123	0.0123	0.0123	0.0254
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0008	0.0005
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0067	0.0067	0.0067	0.0067	0.0067	0.0067	0.0197	0.0130
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0209	0.0137
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0005
0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0059	0.0123
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063	0.0063	0.0129
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.000537	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0010	0.0010	0.0012	0.0013	0.0018	0.0013	0.0013	0.0017	0.0023	0.0038
TOTALS	Activity	0.0000	0.0000	0.0226	0.0226	0.0293	0.0347	0.0465	0.0319	0.0319	0.0454	0.0584	0.0690
	Hauling	0.0000	0.0000	0.0020	0.0020	0.0023	0.0013	0.0014	0.0005	0.0005	0.0010	0.0011	0.0015
0.1554	Total	0.000	0.000	0.026	0.026	0.033	0.037	0.050	0.034	0.034	0.048	0.062	0.074
YEARLY TOTALS		0.422											

$PM_{2.5}$ TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0008	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0032
0.0007	Activity	0.0077	0.0077	0.0207	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0291
	Hauling	0.0003	0.0003	0.0004	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0082
0.0406	Total	0.0082	0.0082	0.0219	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0406
Hollywood/Highland	Equipment	0.0006	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0016	0.0020	0.0004	0.0004	0.0058
0.0010	Activity	0.0134	0.0259	0.0259	0.0259	0.0259	0.0259	0.0259	0.0125	0.0125	0.0000	0.0000	0.0280
	Hauling	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001	0.0001	0.0124
	Total	0.0141	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0178	0.0184	0.0005	0.0005	0.0461
La Brea/Santa Monica	Equipment	0.0019	0.0022	0.0032	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
0.0019	Activity	0.0226	0.0226	0.0379	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
	Hauling	0.0009	0.0011	0.0025	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0025	0.0024	0.0024
	Total	0.0254	0.0258	0.0437	0.0313	0.0313	0.0313	0.0313	0.0313	0.0313	0.0315	0.0313	0.0313
Fairfax/Santa Monica Station	Equipment	0.0005	0.0005	0.0023	0.0023	0.0023	0.0026	0.0008	0.0027	0.0027	0.0027	0.0027	0.0027
0.0007	Activity	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0263	0.0263	0.0263	0.0263	0.0263
	Hauling	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0003	0.0080	0.0080	0.0080	0.0080	0.0080
	Total	0.0137	0.0137	0.0279	0.0279	0.0279	0.0284	0.0141	0.0369	0.0369	0.0369	0.0369	0.0369
Hollywood Bowl Option: 1 of 2	Equipment	0.0005	0.0005	0.0005	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0001
0.0032	Activity	0.0123	0.0067	0.0067	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0000
	Hauling	0.0001	0.0005	0.0005	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0003
	Total	0.0129	0.0077	0.0077	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0005
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.000537	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0038	0.0057	0.0091	0.0098	0.0098	0.0101	0.0101	0.0115	0.0119	0.0105	0.0086	0.0146
TOTALS	Activity	0.0690	0.0759	0.1159	0.1154	0.1154	0.1154	0.1154	0.1152	0.1152	0.1027	0.0911	0.1095
	Hauling	0.0015	0.0057	0.0081	0.0081	0.0081	0.0083	0.0083	0.0158	0.0160	0.0125	0.0116	0.0313
0.1554	Total	0.074	0.087	0.133	0.133	0.133	0.134	0.134	0.143	0.143	0.126	0.111	0.155
YEARLY TOTALS		1.507											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0291	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0000	0.0000	0.0000	0.0000
0.0406	Total	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0402	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0027	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
0.0019	Activity	0.0262	0.0262	0.0262	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085
	Hauling	0.0024	0.0024	0.0024	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103	0.0103
	Total	0.0313	0.0314	0.0314	0.0216	0.0216	0.0216	0.0216	0.0216	0.0216	0.0216	0.0216	0.0216
Fairfax/Santa Monica Station	Equipment	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0263	0.0263	0.0263	0.0263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0080	0.0080	0.0080	0.0080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0369	0.0369	0.0369	0.0369	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003
0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.000537	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0144	0.0145	0.0145	0.0144	0.0117	0.0117	0.0059	0.0059	0.0031	0.0031	0.0031	0.0031
TOTALS	Activity	0.1095	0.1095	0.1095	0.0919	0.0657	0.0657	0.0377	0.0377	0.0085	0.0085	0.0085	0.0085
	Hauling	0.0311	0.0312	0.0312	0.0391	0.0311	0.0311	0.0187	0.0187	0.0104	0.0104	0.0104	0.0104
0.1554	Total	0.155	0.155	0.155	0.145	0.108	0.108	0.062	0.062	0.022	0.022	0.022	0.022
YEARLY TOTALS		1.040											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0406	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0028	0.0028	0.0028	0.0028	0.0000	0.0014	0.0014	0.0039	0.0039	0.0039	0.0039	0.0039
0.0019	Activity	0.0085	0.0085	0.0085	0.0085	0.0000	0.0149	0.0149	0.0229	0.0229	0.0229	0.0229	0.0229
	Hauling	0.0103	0.0103	0.0103	0.0103	0.0000	0.0002	0.0002	0.0063	0.0063	0.0063	0.0063	0.0063
	Total	0.0216	0.0216	0.0216	0.0216	0.0000	0.0164	0.0164	0.0331	0.0331	0.0331	0.0331	0.0331
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0003	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0036	0.0042	0.0059
0.0032	Activity	0.0000	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0081	0.0147	0.0275	0.0465
	Hauling	0.0001	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0031	0.0032	0.0038
	Total	0.0004	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0214	0.0349	0.0562
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011
0.000537	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0326
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375
All Areas	Equipment	0.0031	0.0058	0.0058	0.0058	0.0032	0.0045	0.0045	0.0070	0.0070	0.0075	0.0081	0.0110
TOTALS	Activity	0.0085	0.0166	0.0166	0.0166	0.0081	0.0229	0.0229	0.0310	0.0310	0.0377	0.0505	0.1021
	Hauling	0.0104	0.0129	0.0129	0.0129	0.0026	0.0027	0.0027	0.0088	0.0088	0.0093	0.0095	0.0138
0.1554	Total	0.022	0.035	0.035	0.035	0.014	0.030	0.030	0.047	0.0468	0.0545	0.068	0.127
YEARLY TOTALS		0.545											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007
0.0406	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008
La Brea/Santa Monica	Equipment	0.0039	0.0039	0.0039	0.0013	0.0013	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0022
0.0019	Activity	0.0229	0.0229	0.0229	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149
	Hauling	0.0063	0.0063	0.0063	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0010
	Total	0.0331	0.0331	0.0331	0.0163	0.0163	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0181
Fairfax/Santa Monica Station	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
Hollywood Bowl Option: 1 of 2	Equipment	0.0097	0.0097	0.0092	0.0092	0.0092	0.0060	0.0060	0.0060	0.0060	0.0039	0.0039	0.0039
0.0032	Activity	0.0545	0.0545	0.0415	0.0415	0.0415	0.0337	0.0337	0.0337	0.0337	0.0080	0.0080	0.0080
	Hauling	0.0059	0.0059	0.0048	0.0048	0.0048	0.0032	0.0032	0.0032	0.0032	0.0024	0.0024	0.0024
	Total	0.0701	0.0701	0.0554	0.0554	0.0554	0.0429	0.0429	0.0429	0.0429	0.0143	0.0143	0.0143
MSF	Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010
0.000537	Activity	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0251
	Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0003
	Total	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0264
All Areas	Equipment	0.0149	0.0149	0.0144	0.0118	0.0118	0.0093	0.0093	0.0093	0.0093	0.0074	0.0075	0.0076
TOTALS	Activity	0.1101	0.1101	0.0970	0.0890	0.0890	0.0812	0.0812	0.0812	0.0812	0.0555	0.0555	0.0480
	Hauling	0.0165	0.0165	0.0154	0.0093	0.0093	0.0079	0.0079	0.0079	0.0079	0.0078	0.0085	0.0057
0.1554	Total	0.142	0.142	0.127	0.110	0.110	0.098	0.098	0.0984	0.0984	0.071	0.072	0.061
YEARLY TOTALS		1.227											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
0.0406	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Hollywood/Highland	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
La Brea/Santa Monica	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
Fairfax/Santa Monica Station	Equipment	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0021	0.0021	0.0021
0.0007	Activity	0.0000	0.0000	0.0000	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0059	0.0059	0.0059
	Hauling	0.0006	0.0006	0.0006	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0004	0.0004	0.0004
	Total	0.0008	0.0008	0.0008	0.0198	0.0198	0.0198	0.0198	0.0198	0.0198	0.0084	0.0084	0.0084
Hollywood Bowl Option: 1 of 2	Equipment	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0042	0.0042	0.0042
0.0032	Activity	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0015	0.0015	0.0015
	Total	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0140	0.0140	0.0140
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.000537	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
All Areas	Equipment	0.0064	0.0064	0.0064	0.0077	0.0077	0.0077	0.0077	0.0077	0.0077	0.0085	0.0085	0.0085
TOTALS	Activity	0.0334	0.0334	0.0334	0.0464	0.0464	0.0464	0.0464	0.0464	0.0464	0.0393	0.0393	0.0393
	Hauling	0.0049	0.0049	0.0049	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0044	0.0044	0.0044
0.1554	Total	0.045	0.045	0.045	0.064	0.064	0.064	0.064	0.0637	0.0637	0.052	0.052	0.052
YEARLY TOTALS		0.673											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
Fairfax/3rd/Beverly	Equipment	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0018	0.0022	0.0022	0.0018	0.0018	0.0018
0.0007	Activity	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0114	0.0068	0.0068	0.0068	0.0068	0.0068
	Hauling	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0036	0.0004	0.0004	0.0003	0.0003	0.0003
0.0406	Total	0.0163	0.0163	0.0163	0.0163	0.0163	0.0163	0.0168	0.0094	0.0094	0.0089	0.0089	0.0089
Hollywood/Highland	Equipment	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0016	0.0020
0.0010	Activity	0.0000	0.0000	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0066
	Hauling	0.0007	0.0007	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0037	0.0004
	Total	0.0008	0.0008	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0172	0.0180	0.0091
La Brea/Santa Monica	Equipment	0.0009	0.0011	0.0011	0.0011	0.0014	0.0014	0.0014	0.0014	0.0017	0.0025	0.0022	0.0022
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0127	0.0127	0.0127	0.0127	0.0127	0.0117	0.0117	0.0117
	Hauling	0.0008	0.0004	0.0004	0.0004	0.0030	0.0030	0.0030	0.0030	0.0031	0.0006	0.0005	0.0005
	Total	0.0017	0.0015	0.0015	0.0015	0.0172	0.0172	0.0172	0.0172	0.0175	0.0148	0.0144	0.0144
Fairfax/Santa Monica Station	Equipment	0.0017	0.0017	0.0017	0.0017	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0079	0.0079	0.0079	0.0079	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0042	0.0042	0.0039	0.0039	0.0039	0.0039	0.0041	0.0046	0.0046	0.0047	0.0047	0.0070
0.0032	Activity	0.0083	0.0083	0.0076	0.0130	0.0130	0.0130	0.0202	0.0212	0.0212	0.0153	0.0153	0.0352
	Hauling	0.0015	0.0015	0.0018	0.0019	0.0019	0.0019	0.0018	0.0020	0.0020	0.0024	0.0024	0.0046
	Total	0.0140	0.0140	0.0133	0.0188	0.0188	0.0188	0.0260	0.0278	0.0278	0.0225	0.0225	0.0468
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.000537	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
All Areas	Equipment	0.0094	0.0096	0.0102	0.0102	0.0094	0.0094	0.0094	0.0102	0.0105	0.0111	0.0115	0.0142
TOTALS	Activity	0.0507	0.0507	0.0627	0.0681	0.0808	0.0808	0.0820	0.0785	0.0785	0.0715	0.0715	0.0854
	Hauling	0.0071	0.0067	0.0102	0.0103	0.0127	0.0127	0.0126	0.0097	0.0098	0.0076	0.0076	0.0064
0.1554	Total	0.067	0.067	0.083	0.089	0.103	0.103	0.104	0.098	0.099	0.090	0.091	0.106
YEARLY TOTALS		1.100											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Fairfax/3rd/Beverly	Equipment	0.0018	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0068	0.0068	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0406	Total	0.0089	0.0075	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0020	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0091	0.0082	0.0082	0.0082	0.0082	0.0082	0.0077	0.0077	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0019	0.0019	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0019	Activity	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0139	0.0139	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0070	0.0070	0.0070	0.0042	0.0042	0.0042	0.0008	0.0008	0.0008	0.0009	0.0009	0.0009
0.0032	Activity	0.0352	0.0352	0.0352	0.0087	0.0087	0.0087	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0046	0.0022	0.0022	0.0022	0.0004	0.0004	0.0004	0.0002	0.0002	0.0002
	Total	0.0468	0.0468	0.0468	0.0151	0.0151	0.0151	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
0.000537	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0000
All Areas	Equipment	0.0138	0.0120	0.0110	0.0076	0.0076	0.0076	0.0031	0.0031	0.0021	0.0022	0.0022	0.0013
TOTALS	Activity	0.0854	0.0854	0.0737	0.0404	0.0404	0.0404	0.0317	0.0317	0.0251	0.0251	0.0251	0.0000
	Hauling	0.0062	0.0059	0.0055	0.0031	0.0031	0.0031	0.0009	0.0009	0.0009	0.0006	0.0006	0.0003
0.1554	Total	0.105	0.103	0.090	0.051	0.051	0.051	0.036	0.036	0.028	0.028	0.028	0.002
YEARLY TOTALS		0.609											

$PM_{2.5}$ TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0003	0.0003	0.0003	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0001	Activity	0.0000	0.0000	0.0000	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0004	0.0004	0.0004	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0406	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0015	0.0016	0.0014	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0032	Activity	0.0108	0.0108	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0042	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0129	0.0131	0.0254	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.000537	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0018	0.0020	0.0018	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0108	0.0108	0.0198	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0043	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1554	Total	0.013	0.014	0.026	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.079											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026
Hollywood/Highland	Equipment	0.0000	0.0000	0.0048	0.0048	0.0048	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0058	0.0058	0.0058	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0099	0.0054	0.0054	0.0054	0.0054	0.0151
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001	0.0001	0.0008
	Total	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0109	0.0055	0.0055	0.0055	0.0055	0.0159
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0081	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0084	0.0061
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018	0.0057
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020	0.0058
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0000	0.0000	0.0093	0.0093	0.0114	0.0127	0.0182	0.0137	0.0137	0.0178	0.0239	0.0354
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0018	0.0018	0.0020	0.0012	0.0012	0.0004	0.0004	0.0009	0.0009	0.0013
	Total	0.000	0.000	0.011	0.011	0.013	0.014	0.019	0.014	0.014	0.019	0.025	0.037
YEARLY TOTALS		0.177											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0024	0.0024	0.0084	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0080
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0071
	Total	0.0026	0.0026	0.0087	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0151
Hollywood/Highland	Equipment	0.0062	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0111	0.0133	0.0022	0.0022	0.0130
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0002
	Hauling	0.0001	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0033	0.0001	0.0001	0.0107
	Total	0.0063	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0143	0.0167	0.0023	0.0023	0.0239
La Brea/Santa Monica	Equipment	0.0151	0.0164	0.0116	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0009	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0159	0.0174	0.0138	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0089	0.0083	0.0083
Fairfax/Santa Monica Station	Equipment	0.0060	0.0060	0.0177	0.0177	0.0177	0.0192	0.0075	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0069	0.0069	0.0069	0.0069	0.0069
	Total	0.0061	0.0061	0.0185	0.0185	0.0185	0.0201	0.0077	0.0132	0.0132	0.0132	0.0132	0.0132
Hollywood Bowl Option: 1 of 2	Equipment	0.0057	0.0034	0.0034	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0004	0.0004	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0003
	Total	0.0058	0.0039	0.0039	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0009
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0354	0.0456	0.0584	0.0611	0.0611	0.0625	0.0625	0.0550	0.0572	0.0478	0.0356	0.0340
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0004
	Other	0.0013	0.0049	0.0070	0.0069	0.0069	0.0071	0.0071	0.0137	0.0138	0.0108	0.0100	0.0271
	Total	0.037	0.051	0.065	0.068	0.068	0.070	0.070	0.069	0.071	0.059	0.046	0.061
YEARLY TOTALS		0.735											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0000	0.0000	0.0000	0.0000
	Total	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0062	0.0066	0.0066	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0086	0.0086	0.0086	0.0086	0.0086	0.0086	0.0086	0.0086	0.0086
	Total	0.0083	0.0088	0.0088	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156
Fairfax/Santa Monica Station	Equipment	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0069	0.0069	0.0069	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0132	0.0132	0.0132	0.0132	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0033	0.0033	0.0033	0.0033
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001
	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0034	0.0034	0.0034	0.0034
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0329	0.0333	0.0333	0.0335	0.0274	0.0274	0.0144	0.0144	0.0102	0.0102	0.0102	0.0102
	Activity	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001
	Other	0.0270	0.0270	0.0270	0.0335	0.0266	0.0266	0.0159	0.0159	0.0087	0.0087	0.0087	0.0087
	Total	0.060	0.061	0.061	0.068	0.054	0.054	0.030	0.030	0.019	0.019	0.019	0.019
YEARLY TOTALS		0.495											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0069	0.0069	0.0069	0.0069	0.0000	0.0027	0.0027	0.0089	0.0089	0.0089	0.0089	0.0089
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0086	0.0086	0.0086	0.0086	0.0000	0.0002	0.0002	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0156	0.0156	0.0156	0.0156	0.0000	0.0029	0.0029	0.0140	0.0140	0.0140	0.0140	0.0140
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0033	0.0332	0.0332	0.0332	0.0332	0.0332	0.0332	0.0332	0.0332	0.0367	0.0382	0.0511
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0024	0.0025	0.0030
	Total	0.0034	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0353	0.0391	0.0407	0.0542
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153
All Areas TOTALS	Equipment	0.0102	0.0401	0.0401	0.0401	0.0337	0.0359	0.0359	0.0421	0.0421	0.0456	0.0471	0.0722
	Activity	0.0001	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0002
	Other	0.0087	0.0106	0.0106	0.0106	0.0020	0.0022	0.0022	0.0070	0.0070	0.0074	0.0075	0.0110
	Total	0.019	0.051	0.051	0.051	0.036	0.038	0.038	0.049	0.049	0.053	0.055	0.083
YEARLY TOTALS		0.574											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	0.0014
La Brea/Santa Monica	Equipment	0.0089	0.0089	0.0089	0.0023	0.0023	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0069
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0050	0.0050	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0008
	Total	0.0140	0.0140	0.0140	0.0024	0.0024	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063	0.0077
Fairfax/Santa Monica Station	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
Hollywood Bowl Option: 1 of 2	Equipment	0.0887	0.0887	0.0873	0.0873	0.0873	0.0540	0.0540	0.0540	0.0540	0.0382	0.0382	0.0382
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0047	0.0047	0.0037	0.0037	0.0037	0.0025	0.0025	0.0025	0.0025	0.0019	0.0019	0.0019
	Total	0.0935	0.0935	0.0911	0.0911	0.0911	0.0566	0.0566	0.0566	0.0566	0.0401	0.0401	0.0401
MSF	Equipment	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0076
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0002
	Total	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0079
All Areas	Equipment	0.1107	0.1107	0.1093	0.1027	0.1027	0.0731	0.0731	0.0731	0.0731	0.0582	0.0590	0.0553
TOTALS	Activity	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Other	0.0132	0.0132	0.0123	0.0074	0.0074	0.0063	0.0063	0.0063	0.0063	0.0062	0.0067	0.0045
	Total	0.124	0.124	0.122	0.110	0.110	0.080	0.080	0.080	0.080	0.064	0.066	0.060
YEARLY TOTALS		1.098											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
Hollywood/Highland	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
La Brea/Santa Monica	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053
Fairfax/Santa Monica Station	Equipment	0.0008	0.0008	0.0008	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0227	0.0227	0.0227
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0003	0.0003	0.0003
	Total	0.0014	0.0014	0.0014	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0230	0.0230	0.0230
Hollywood Bowl Option: 1 of 2	Equipment	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0397	0.0425	0.0425	0.0425
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0011	0.0011
	Total	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0410	0.0437	0.0437	0.0437
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
All Areas	Equipment	0.0545	0.0545	0.0545	0.0686	0.0686	0.0686	0.0686	0.0686	0.0686	0.0792	0.0792	0.0792
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Other	0.0038	0.0038	0.0038	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0033	0.0033	0.0033
	Total	0.058	0.058	0.058	0.076	0.076	0.076	0.076	0.076	0.076	0.083	0.083	0.083
YEARLY TOTALS		0.878											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
Fairfax/3rd/Beverly	Equipment	0.0149	0.0149	0.0149	0.0149	0.0149	0.0149	0.0184	0.0238	0.0238	0.0203	0.0203	0.0203
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0027	0.0003	0.0003	0.0002	0.0002	0.0002
	Total	0.0176	0.0176	0.0176	0.0176	0.0176	0.0176	0.0212	0.0241	0.0241	0.0205	0.0205	0.0205
Hollywood/Highland	Equipment	0.0009	0.0009	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0130	0.0198
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0027	0.0003
	Total	0.0014	0.0014	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0157	0.0201
La Brea/Santa Monica	Equipment	0.0046	0.0073	0.0073	0.0073	0.0089	0.0089	0.0089	0.0089	0.0089	0.0116	0.0217	0.0190
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0002	0.0002	0.0002	0.0022	0.0022	0.0022	0.0022	0.0022	0.0004	0.0003	0.0003
	Total	0.0053	0.0076	0.0076	0.0076	0.0111	0.0111	0.0111	0.0111	0.0139	0.0221	0.0193	0.0193
Fairfax/Santa Monica Station	Equipment	0.0192	0.0192	0.0192	0.0192	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0194	0.0194	0.0194	0.0194	0.0060	0.0060	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0425	0.0425	0.0393	0.0392	0.0392	0.0392	0.0416	0.0465	0.0465	0.0449	0.0449	0.0478
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0011	0.0011	0.0012	0.0014	0.0014	0.0014	0.0012	0.0014	0.0014	0.0017	0.0017	0.0033
	Total	0.0437	0.0437	0.0405	0.0405	0.0405	0.0405	0.0429	0.0479	0.0479	0.0466	0.0466	0.0512
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
All Areas	Equipment	0.0898	0.0925	0.0960	0.0958	0.0841	0.0841	0.0842	0.0944	0.0972	0.1021	0.1056	0.1154
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	Other	0.0053	0.0049	0.0074	0.0075	0.0093	0.0093	0.0092	0.0070	0.0070	0.0054	0.0054	0.0046
	Total	0.095	0.097	0.103	0.103	0.094	0.094	0.094	0.102	0.104	0.108	0.111	0.120
YEARLY TOTALS		1.225											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0008	0.0008	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0011	0.0011	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038
Fairfax/3rd/Beverly	Equipment	0.0203	0.0068	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0205	0.0068	0.0068	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0198	0.0136	0.0136	0.0136	0.0136	0.0136	0.0100	0.0100	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0201	0.0138	0.0138	0.0138	0.0138	0.0138	0.0100	0.0100	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0155	0.0155	0.0038	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0157	0.0157	0.0039	0.0039	0.0039	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0478	0.0478	0.0478	0.0415	0.0415	0.0415	0.0041	0.0041	0.0041	0.0063	0.0063	0.0063
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0033	0.0033	0.0033	0.0016	0.0016	0.0016	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.0512	0.0512	0.0512	0.0431	0.0431	0.0431	0.0044	0.0044	0.0044	0.0064	0.0064	0.0064
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000
All Areas TOTALS	Equipment	0.1118	0.0921	0.0834	0.0703	0.0703	0.0703	0.0255	0.0255	0.0155	0.0177	0.0177	0.0101
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0044	0.0042	0.0040	0.0022	0.0022	0.0022	0.0006	0.0006	0.0006	0.0004	0.0004	0.0002
	Total	0.116	0.096	0.087	0.072	0.072	0.072	0.026	0.026	0.016	0.018	0.018	0.010
YEARLY TOTALS		0.633											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0038	0.0038	0.0038	0.0058	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0038	0.0038	0.0038	0.0059	0.0059	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0090	0.0106	0.0071	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0029	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0094	0.0111	0.0101	0.0034	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0127	0.0144	0.0109	0.0092	0.0092	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0005	0.0005	0.0030	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.013	0.015	0.014	0.009	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.061											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	17	17	17
	Activity	-	-	-	-	-	-	-	-	-	0	0	0
	Hauling	-	-	-	-	-	-	-	-	-	6	6	6
	Total	-	-	-	-	-	-	-	-	-	24	24	24
Hollywood/Highland	Equipment	-	-	36	36	36	32	32	32	32	32	32	32
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	21	21	21	4	4	4	4	4	4	4
	Total	-	-	57	57	57	36	36	36	36	36	36	36
La Brea/Santa Monica	Equipment	-	-	33	33	33	33	61	28	28	28	28	132
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	20	20	20	20	23	3	3	3	3	20
	Total	-	-	53	53	53	53	84	31	31	31	31	153
Fairfax/Santa Monica Station	Equipment	-	-	-	-	15	15	15	15	15	15	47	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	6	6	6	6	6	6	9	4
	Total	-	-	-	-	21	21	21	21	21	21	56	35
Hollywood Bowl Option: 1 of 2	Equipment	-	-	-	-	-	-	-	-	-	13	13	30
	Activity	-	-	-	-	-	-	-	-	-	0	0	0
	Hauling	-	-	-	-	-	-	-	-	-	5	5	3
	Total	-	-	-	-	-	-	-	-	-	18	18	33
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	-	-	69	69	84	80	109	76	76	106	138	243
TOTALS	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	41	41	46	29	32	12	12	24	27	37
	Total	-	-	110	110	130	110	141	88	88	130	165	280
YEARLY TOTALS		1351.591											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	17	17	49	31	31	31	169	169	169	193	55	105
	Activity	0	0	0	0	0	0	0	0	0	0	0	1
	Hauling	6	6	10	3	3	3	21	21	21	26	8	168
	Total	24	24	59	35	35	35	190	190	190	219	64	274
Hollywood/Highland	Equipment	32	207	207	207	207	207	207	175	223	48	48	154
	Activity	0	0	0	0	0	0	0	0	0	0	0	1
	Hauling	4	79	79	79	79	79	79	76	81	5	5	251
	Total	36	287	287	287	287	287	287	251	304	53	53	406
La Brea/Santa Monica	Equipment	132	160	101	73	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	20	26	52	49	49	49	49	49	49	51	49	49
	Total	153	186	154	122	122	122	122	122	122	143	122	122
Fairfax/Santa Monica Station	Equipment	31	31	169	169	169	201	63	73	73	73	73	73
	Activity	0	0	0	0	0	0	0	1	1	1	1	1
	Hauling	4	4	22	22	22	28	10	162	162	162	162	162
	Total	35	35	190	190	190	229	73	235	235	235	235	235
Hollywood Bowl Option: 1 of 2	Equipment	30	38	38	88	88	88	88	88	88	88	88	26
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	3	10	10	18	18	18	18	18	18	18	18	7
	Total	33	49	49	106	106	106	106	106	106	106	106	33
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas TOTALS	Equipment	243	454	564	569	569	601	601	578	626	493	337	431
	Activity	0	0	1	1	1	1	1	1	1	1	1	2
	Hauling	37	126	173	171	171	177	177	325	330	262	241	637
	Total	280	581	738	740	740	779	779	904	957	756	580	1,070
YEARLY TOTALS		8901.859											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	81	81	81	81	81	81	81	81	-	-	-	-
	Activity	1	1	1	1	1	1	1	1	-	-	-	-
	Hauling	163	163	163	163	163	163	163	163	-	-	-	-
	Total	245	245	245	245	245	245	245	245	-	-	-	-
Hollywood/Highland	Equipment	154	154	154	154	154	154	-	-	-	-	-	-
	Activity	1	1	1	1	1	1	-	-	-	-	-	-
	Hauling	251	251	251	251	251	251	-	-	-	-	-	-
	Total	406	406	406	406	406	406	-	-	-	-	-	-
La Brea/Santa Monica	Equipment	73	92	92	241	241	241	241	241	241	241	241	241
	Activity	0	0	0	1	1	1	1	1	1	1	1	1
	Hauling	49	50	50	215	215	215	215	215	215	215	215	215
	Total	122	142	142	456	456	456	456	456	456	456	456	456
Fairfax/Santa Monica Station	Equipment	73	73	73	73	-	-	-	-	-	-	-	-
	Activity	1	1	1	1	-	-	-	-	-	-	-	-
	Hauling	162	162	162	162	-	-	-	-	-	-	-	-
	Total	235	235	235	235	-	-	-	-	-	-	-	-
Hollywood Bowl Option: 1 of 2	Equipment	26	26	26	26	26	26	26	26	19	19	19	19
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	7	7	7	7	7	7	7	7	3	3	3	3
	Total	33	33	33	33	33	33	33	33	22	22	22	22
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas TOTALS	Equipment	407	426	426	575	502	502	348	348	260	260	260	260
	Activity	2	2	2	3	2	2	1	1	1	1	1	1
	Hauling	632	633	633	798	636	636	385	385	218	218	218	218
	Total	1,041	1,061	1,061	1,375	1,140	1,140	734	734	478	478	478	478
YEARLY TOTALS		10196.861											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood/Highland	Equipment	-	-	-	-	21	-	-	-	-	-	-	-
	Activity	-	-	-	-	0	-	-	-	-	-	-	-
	Hauling	-	-	-	-	1	-	-	-	-	-	-	-
	Total	-	-	-	-	22	-	-	-	-	-	-	-
La Brea/Santa Monica	Equipment	241	241	241	241	-	85	85	298	298	298	298	298
	Activity	1	1	1	1	-	0	0	0	0	0	0	0
	Hauling	215	215	215	215	-	4	4	131	131	131	131	131
	Total	456	456	456	456	-	89	89	429	429	429	429	429
Fairfax/Santa Monica Station	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood Bowl Option: 1 of 2	Equipment	19	189	189	189	189	189	189	189	189	227	259	318
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	3	57	57	57	57	57	57	57	57	67	70	82
	Total	22	246	246	246	246	246	246	246	246	294	329	400
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	63
	Activity	-	-	-	-	-	-	-	-	-	-	-	0
	Hauling	-	-	-	-	-	-	-	-	-	-	-	75
	Total	-	-	-	-	-	-	-	-	-	-	-	138
All Areas	Equipment	260	430	430	430	210	274	274	487	487	525	556	679
TOTALS	Activity	1	1	1	1	0	0	0	1	1	1	1	1
	Hauling	218	272	272	272	58	61	61	188	188	198	201	287
	Total	478	702	702	702	268	335	335	675	675	724	758	967
YEARLY TOTALS		7321.215											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	40	40
	Activity	-	-	-	-	-	-	-	-	-	-	0	0
	Hauling	-	-	-	-	-	-	-	-	-	-	14	14
	Total	-	-	-	-	-	-	-	-	-	-	54	54
Hollywood/Highland	Equipment	-	-	-	-	-	-	-	-	-	39	39	39
	Activity	-	-	-	-	-	-	-	-	-	0	0	0
	Hauling	-	-	-	-	-	-	-	-	-	13	13	13
	Total	-	-	-	-	-	-	-	-	-	52	52	52
La Brea/Santa Monica	Equipment	298	298	298	66	66	180	180	180	180	180	180	218
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	131	131	131	3	3	9	9	9	9	9	9	22
	Total	429	429	429	70	70	189	189	189	189	189	189	240
Fairfax/Santa Monica Station	Equipment	38	38	38	38	38	38	38	38	38	38	38	38
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	51	51	51	51	51	51	51	51	51	51	51	51
Hollywood Bowl Option: 1 of 2	Equipment	652	652	708	708	708	431	431	431	431	359	359	359
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	129	129	106	106	106	69	69	69	69	54	54	54
	Total	781	781	814	814	814	501	501	501	501	413	413	413
MSF	Equipment	63	63	63	63	63	63	63	63	63	63	63	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	75	75	75	75	75	75	75	75	75	75	75	9
	Total	138	138	138	138	138	138	138	138	138	138	138	113
All Areas	Equipment	1,051	1,051	1,107	875	875	713	713	713	713	679	720	798
TOTALS	Activity	1	1	1	1	1	1	1	1	1	1	1	0
	Hauling	348	348	325	197	197	166	166	166	166	164	177	125
	Total	1,400	1,400	1,433	1,073	1,073	879	879	879	879	844	898	923
YEARLY TOTALS		12560.435											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	40	40	40	40	40	40	40	40	40	40	40	40
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	14	14	14	14	14	14	14	14	14	14
	Total	54	54	54	54	54	54	54	54	54	54	54	54
Hollywood/Highland	Equipment	39	39	39	39	39	39	39	39	39	39	39	39
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	52	52	52	52	52	52	52	52	52	52	52	52
La Brea/Santa Monica	Equipment	152	152	152	152	152	152	152	152	152	152	152	152
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	19	19	19	19	19	19	19
	Total	171	171	171	171	171	171	171	171	171	171	171	171
Fairfax/Santa Monica Station	Equipment	38	38	38	76	76	76	76	76	76	122	122	122
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	108	108	108	108	108	108	14	14	14
	Total	51	51	51	184	184	184	184	184	184	136	136	136
Hollywood Bowl Option: 1 of 2	Equipment	372	372	372	372	372	372	372	372	372	367	367	367
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	41	41	41	41	41	41	41	41	41	37	37	37
	Total	413	413	413	413	413	413	413	413	413	404	404	404
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
All Areas TOTALS	Equipment	745	745	745	783	783	783	783	783	783	824	824	824
	Activity	0	0	0	1	1	1	1	1	1	0	0	0
	Hauling	109	109	109	203	203	203	203	203	203	106	106	106
	Total	854	854	854	987	987	987	987	987	987	931	931	931
YEARLY TOTALS		11278.148											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	-	-	38	38	38	38	38	38	38	38	38	38
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	6	6	6	6	6	6	6	6	6	6
	Total	-	-	44	44	44	44	44	44	44	44	44	44
Fairfax/3rd/Beverly	Equipment	75	75	75	75	75	75	104	129	129	99	99	99
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	72	72	72	72	72	72	76	14	14	10	10	10
	Total	147	147	147	147	147	147	181	143	143	109	109	109
Hollywood/Highland	Equipment	39	39	60	60	60	60	60	60	60	60	117	139
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	74	74	74	74	74	74	74	74	79	14
	Total	52	52	134	134	134	134	134	134	134	134	195	154
La Brea/Santa Monica	Equipment	152	134	134	134	154	154	154	154	177	230	207	207
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	13	13	13	65	65	65	65	69	21	17	17
	Total	171	147	147	147	219	219	219	219	246	250	224	224
Fairfax/Santa Monica Station	Equipment	93	93	93	93	37	37	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	10	10	10	10	2	2	-	-	-	-	-	-
	Total	102	102	102	102	39	39	-	-	-	-	-	-
Hollywood Bowl Option: 1 of 2	Equipment	367	367	338	343	343	343	349	392	392	415	415	455
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	37	37	41	42	42	42	41	46	46	53	53	96
	Total	404	404	379	385	385	385	390	438	438	468	468	551
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
All Areas TOTALS	Equipment	829	811	841	846	809	809	808	876	899	945	979	1,042
	Activity	1	1	1	1	1	1	1	1	1	1	1	1
	Hauling	160	154	226	227	271	271	272	215	219	173	174	152
	Total	989	966	1,067	1,073	1,082	1,082	1,081	1,092	1,118	1,119	1,153	1,195
YEARLY TOTALS		13016.224											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	38	38	22	22	22	22	22	22	22	22	22	22
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	6	3	3	3	3	3	3	3	3	3	3
	Total	44	44	25	25	25	25	25	25	25	25	25	25
Fairfax/3rd/Beverly	Equipment	99	42	42	-	-	-	-	-	-	-	-	-
	Activity	0	0	0	-	-	-	-	-	-	-	-	-
	Hauling	10	2	2	-	-	-	-	-	-	-	-	-
	Total	109	44	44	-	-	-	-	-	-	-	-	-
Hollywood/Highland	Equipment	139	83	83	83	83	83	62	62	-	-	-	-
	Activity	0	0	0	0	0	0	0	0	-	-	-	-
	Hauling	14	10	10	10	10	10	2	2	-	-	-	-
	Total	154	93	93	93	93	93	64	64	-	-	-	-
La Brea/Santa Monica	Equipment	186	186	114	114	114	114	-	-	-	-	-	-
	Activity	0	0	0	0	0	0	-	-	-	-	-	-
	Hauling	10	10	6	6	6	6	-	-	-	-	-	-
	Total	196	196	120	120	120	120	-	-	-	-	-	-
Fairfax/Santa Monica Station	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood Bowl Option: 1 of 2	Equipment	455	455	455	397	397	397	135	135	135	117	117	117
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	96	96	96	49	49	49	11	11	11	7	7	7
	Total	551	551	551	446	446	446	146	146	146	124	124	124
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	-
	Activity	0	0	0	0	0	0	0	0	0	0	0	-
	Hauling	9	9	9	9	9	9	9	9	9	9	9	-
	Total	113	113	113	113	113	113	113	113	113	113	113	-
All Areas TOTALS	Equipment	1,022	908	819	719	719	719	322	322	261	242	242	139
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	145	133	126	77	77	77	25	25	23	19	19	10
	Total	1,167	1,041	946	796	796	796	348	348	284	262	262	149
YEARLY TOTALS		7194.420											

CO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	22	22	22	36	36	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	3	3	3	4	4	-	-	-	-	-	-	-
	Total	25	25	25	40	40	-	-	-	-	-	-	-
Fairfax/3rd/Beverly	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood/Highland	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
La Brea/Santa Monica	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Fairfax/Santa Monica Station	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
Hollywood Bowl Option: 1 of 2	Equipment	150	162	147	100	100	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	16	17	85	5	5	-	-	-	-	-	-	-
	Total	167	180	233	105	105	-	-	-	-	-	-	-
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas TOTALS	Equipment	172	184	169	136	136	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	19	20	89	9	9	-	-	-	-	-	-	-
	Total	191	204	258	145	145	-	-	-	-	-	-	-
YEARLY TOTALS		943.202											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
Hollywood/Highland	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003	0.0003	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0002
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003	0.0003	0.0014
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0005	0.0003
Hollywood Bowl Option: 1 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0003
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0000	0.0000	0.0007	0.0007	0.0008	0.0008	0.0010	0.0007	0.0007	0.0010	0.0013	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0004	0.0004	0.0004	0.0003	0.0003	0.0001	0.0001	0.0002	0.0003	0.0003
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.003
YEARLY TOTALS		0.013											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0002	0.0002	0.0005	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0015
	Total	0.0002	0.0002	0.0006	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0024
Hollywood/Highland	Equipment	0.0003	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0015	0.0020	0.0005	0.0005	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0023
	Total	0.0003	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0022	0.0027	0.0005	0.0005	0.0036
La Brea/Santa Monica	Equipment	0.0012	0.0015	0.0009	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0004	0.0004
	Total	0.0014	0.0017	0.0013	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0012	0.0010	0.0010
Fairfax/Santa Monica Station	Equipment	0.0003	0.0003	0.0016	0.0016	0.0016	0.0019	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0001	0.0015	0.0015	0.0015	0.0015	0.0015
	Total	0.0003	0.0003	0.0018	0.0018	0.0018	0.0022	0.0007	0.0021	0.0021	0.0021	0.0021	0.0021
Hollywood Bowl Option: 1 of 2	Equipment	0.0003	0.0004	0.0004	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0003	0.0005	0.0005	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0002
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0023	0.0042	0.0051	0.0050	0.0050	0.0053	0.0053	0.0050	0.0055	0.0043	0.0029	0.0036
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0011	0.0016	0.0016	0.0016	0.0016	0.0016	0.0029	0.0030	0.0024	0.0022	0.0058
	Total	0.003	0.005	0.007	0.007	0.007	0.007	0.007	0.008	0.009	0.007	0.005	0.009
YEARLY TOTALS		0.080											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000
	Total	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0006	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0005	0.0005	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.0010	0.0012	0.0012	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
Fairfax/Santa Monica Station	Equipment	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0033	0.0035	0.0035	0.0038	0.0032	0.0032	0.0019	0.0019	0.0012	0.0012	0.0012	0.0012
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0057	0.0057	0.0057	0.0072	0.0058	0.0058	0.0035	0.0035	0.0020	0.0020	0.0020	0.0020
	Total	0.009	0.009	0.009	0.011	0.009	0.009	0.005	0.005	0.003	0.003	0.003	0.003
YEARLY TOTALS		0.080											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0010	0.0010	0.0010	0.0010	0.0000	0.0003	0.0003	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.0030	0.0030	0.0030	0.0030	0.0000	0.0003	0.0003	0.0024	0.0024	0.0024	0.0024	0.0024
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0018	0.0019	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.0006	0.0007
	Total	0.0002	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0024	0.0026	0.0031
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013
All Areas TOTALS	Equipment	0.0012	0.0025	0.0025	0.0025	0.0016	0.0017	0.0017	0.0026	0.0026	0.0030	0.0031	0.0041
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0025	0.0025	0.0025	0.0005	0.0006	0.0006	0.0017	0.0017	0.0018	0.0018	0.0026
	Total	0.003	0.005	0.005	0.005	0.002	0.002	0.002	0.004	0.004	0.005	0.005	0.007
YEARLY TOTALS		0.050											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004
La Brea/Santa Monica	Equipment	0.0012	0.0012	0.0012	0.0002	0.0002	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0015
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002
	Total	0.0024	0.0024	0.0024	0.0002	0.0002	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0017
Fairfax/Santa Monica Station	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Hollywood Bowl Option: 1 of 2	Equipment	0.0045	0.0045	0.0047	0.0047	0.0047	0.0029	0.0029	0.0029	0.0029	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0010	0.0010	0.0010	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005
	Total	0.0057	0.0057	0.0056	0.0056	0.0056	0.0036	0.0036	0.0036	0.0036	0.0028	0.0028	0.0028
MSF	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010
All Areas	Equipment	0.0065	0.0065	0.0067	0.0057	0.0057	0.0050	0.0050	0.0050	0.0050	0.0047	0.0049	0.0055
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0032	0.0032	0.0030	0.0018	0.0018	0.0015	0.0015	0.0015	0.0015	0.0015	0.0016	0.0011
	Total	0.010	0.010	0.010	0.007	0.007	0.007	0.007	0.007	0.007	0.006	0.007	0.007
YEARLY TOTALS		0.090											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
Hollywood/Highland	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
La Brea/Santa Monica	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
Fairfax/Santa Monica Station	Equipment	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0013	0.0013	0.0013
Hollywood Bowl Option: 1 of 2	Equipment	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003
	Total	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
All Areas TOTALS	Equipment	0.0055	0.0055	0.0055	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0064	0.0064	0.0064
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0010	0.0010	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0010	0.0010	0.0010
	Total	0.006	0.006	0.006	0.008	0.008	0.008	0.008	0.008	0.008	0.007	0.007	0.007
YEARLY TOTALS		0.088											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
Hollywood Bowl Option: 2 of 2	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
Fairfax/3rd/Beverly	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0010	0.0012	0.0012	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0017	0.0014	0.0014	0.0010	0.0010	0.0010
Hollywood/Highland	Equipment	0.0003	0.0003	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0010	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001
	Total	0.0004	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0018	0.0015
La Brea/Santa Monica	Equipment	0.0013	0.0012	0.0012	0.0012	0.0014	0.0014	0.0014	0.0014	0.0016	0.0022	0.0019	0.0019
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0002	0.0002	0.0002
	Total	0.0015	0.0014	0.0014	0.0014	0.0020	0.0020	0.0020	0.0020	0.0023	0.0023	0.0021	0.0021
Fairfax/Santa Monica Station	Equipment	0.0009	0.0009	0.0009	0.0009	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0024	0.0024	0.0022	0.0023	0.0023	0.0023	0.0023	0.0026	0.0026	0.0028	0.0028	0.0031
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0009
	Total	0.0028	0.0028	0.0026	0.0027	0.0027	0.0027	0.0027	0.0030	0.0030	0.0033	0.0033	0.0040
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
All Areas TOTALS	Equipment	0.0065	0.0064	0.0067	0.0068	0.0064	0.0064	0.0064	0.0069	0.0072	0.0076	0.0079	0.0085
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0015	0.0014	0.0021	0.0021	0.0025	0.0025	0.0025	0.0020	0.0020	0.0016	0.0016	0.0014
	Total	0.008	0.008	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.010	0.010
YEARLY TOTALS		0.107											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
Hollywood Bowl Option: 2 of 2	Equipment	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
Fairfax/3rd/Beverly	Equipment	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0013	0.0008	0.0008	0.0008	0.0008	0.0008	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0015	0.0009	0.0009	0.0009	0.0009	0.0009	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0017	0.0017	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0018	0.0018	0.0011	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0031	0.0031	0.0031	0.0026	0.0026	0.0026	0.0012	0.0012	0.0012	0.0011	0.0011	0.0011
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0004	0.0004	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0040	0.0040	0.0040	0.0030	0.0030	0.0030	0.0013	0.0013	0.0013	0.0012	0.0012	0.0012
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
All Areas TOTALS	Equipment	0.0083	0.0072	0.0065	0.0056	0.0056	0.0056	0.0029	0.0029	0.0023	0.0022	0.0022	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0012	0.0012	0.0007	0.0007	0.0007	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.010	0.008	0.008	0.006	0.006	0.006	0.003	0.003	0.003	0.002	0.002	0.001
YEARLY TOTALS		0.060											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
Hollywood Bowl Option: 2 of 2	Equipment	0.0002	0.0002	0.0002	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/3rd/Beverly	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood/Highland	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
La Brea/Santa Monica	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Fairfax/Santa Monica Station	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hollywood Bowl Option: 1 of 2	Equipment	0.0014	0.0015	0.0013	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0002	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0015	0.0016	0.0021	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0016	0.0017	0.0015	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0008	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.002	0.002	0.002	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.009											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 2 HB	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2043	12/31/2043	2043	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2044	12/31/2044	2044	261	5	40	1	114	4	44614	0	3	1	0.000	0.033	0.001	13	0.000	0.001	0.000
Section 2 HB	MSF	1/1/2045	12/31/2045	2045	260	40	40	8	910	31	356084	4	21	8	0.002	0.261	0.009	102	0.001	0.006	0.002
Section 2 HB	MSF	1/1/2046	12/31/2046	2046	261	55	40	11	1246	42	488698	5	28	11	0.003	0.359	0.012	141	0.001	0.008	0.003
Section 2 HB	MSF	1/1/2047	12/31/2047	2047	261	55	40	11	1243	41	487930	5	28	11	0.003	0.357	0.012	140	0.001	0.008	0.003
Section 2 HB	MSF	1/1/2048	12/31/2048	2048	262	45	40	9	1014	33	398695	4	23	9	0.003	0.293	0.010	115	0.001	0.007	0.003
Section 2 HB	MSF	1/1/2049	12/31/2049	2049	261	10	40	2	225	7	88501	1	5	2	0.001	0.065	0.002	25	0.000	0.001	0.001
Section 2 HB	MSF	1/1/2050	10/31/2050	2050	216	10	40	2	225	7	88421	1	5	2	0.000	0.054	0.002	21	0.000	0.001	0.000
Section 2 HB	Alignment Section with HB Option	1/14/2041	12/31/2041	2041	252	70	40	16	1638	59	630873	6	36	14	0.005	0.455	0.016	175	0.002	0.010	0.004
Section 2 HB	Alignment Section with HB Option	1/1/2042	12/31/2042	2042	261	280	40	63	6485	231	2513477	25	145	55	0.018	1.866	0.066	723	0.007	0.042	0.016
Section 2 HB	Alignment Section with HB Option	1/1/2043	12/31/2043	2043	261	195	40	42	4479	156	1744675	17	101	38	0.012	1.289	0.045	502	0.005	0.029	0.011
Section 2 HB	Alignment Section with HB Option	1/1/2044	12/31/2044	2044	261	200	40	43	4567	157	1784541	18	104	39	0.012	1.314	0.045	513	0.005	0.030	0.011
Section 2 HB	Alignment Section with HB Option	1/1/2045	12/31/2045	2045	260	370	40	78	8413	285	3293773	33	191	72	0.022	2.411	0.082	944	0.009	0.055	0.021
Section 2 HB	Alignment Section with HB Option	1/1/2046	12/31/2046	2046	261	330	40	68	7478	250	2932188	29	171	64	0.020	2.151	0.072	844	0.008	0.049	0.018
Section 2 HB	Alignment Section with HB Option	1/1/2047	12/31/2047	2047	261	485	40	100	10957	363	4302659	43	251	94	0.029	3.152	0.104	1238	0.012	0.072	0.027
Section 2 HB	Alignment Section with HB Option	1/1/2048	12/31/2048	2048	262	210	40	43	4732	155	1860577	18	108	41	0.012	1.367	0.045	537	0.005	0.031	0.012
Section 2 HB	Alignment Section with HB Option	1/1/2049	12/31/2049	2049	261	85	40	17	1914	63	752262	7	44	16	0.005	0.551	0.018	216	0.002	0.013	0.005
Section 2 HB	Alignment Section with HB Option	1/1/2050	10/31/2050	2050	216	50	40	10	1125	37	442103	4	26	10	0.002	0.268	0.009	105	0.001	0.006	0.002

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.5	0.0	175	0.0	0.0	0.0
2042	0.0	1.9	0.1	723	0.0	0.0	0.0
2043	0.0	1.3	0.0	502	0.0	0.0	0.0
2044	0.0	1.3	0.0	526	0.0	0.0	0.0
2045	0.0	2.7	0.1	1046	0.0	0.1	0.0
2046	0.0	2.5	0.1	984	0.0	0.1	0.0
2047	0.0	3.5	0.1	1378	0.0	0.1	0.0
2048	0.0	1.7	0.1	652	0.0	0.0	0.0
2049	0.0	0.6	0.0	242	0.0	0.0	0.0
2050	0.0	0.3	0.0	126	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0	0.0	0.0	0.0
2044	0.0	0.0	0.0	13	0.0	0.0	0.0
2045	0.0	0.3	0.0	102	0.0	0.0	0.0
2046	0.0	0.4	0.0	141	0.0	0.0	0.0
2047	0.0	0.4	0.0	140	0.0	0.0	0.0
2048	0.0	0.3	0.0	115	0.0	0.0	0.0
2049	0.0	0.1	0.0	25	0.0	0.0	0.0
2050	0.0	0.1	0.0	21	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading, and site preparation																				
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/8/2044	11/6/2045	13	260	0.037	0.004	0.000	0.000	0.001	25.7	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	11/8/2044	11/6/2045	13	260	0.034	0.028	0.000	0.000	0.003	5.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	8	4	8	11/8/2044	11/6/2045	13	260	0.043	0.009	0.001	0.001	0.006	20.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	11/8/2044	11/6/2045	13	260	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.25	8	2	4	11/8/2044	11/6/2045	13	260	0.035	0.003	0.000	0.000	0.002	5.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/6/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/6/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/6/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/8/2044	11/6/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/6/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.170*	*0.045*	*0.001*	*0.001*	*0.012*	*63*	*0.001*
Trackwork and Systems																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.10	8	1	2	11/7/2045	11/2/2048	37	780	0.008	0.001	0.000	0.000	0.000	5.6	0.000
Excavator-75	Fleet Average	54	Diesel	3	0.38	0.50	8	4	12	11/7/2045	11/2/2048	37	780	0.053	0.045	0.000	0.000	0.005	8.8	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.25	8	2	6	11/7/2045	11/2/2048	37	780	0.034	0.002	0.000	0.000	0.000	10.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	3	0.42	1.00	8	8	24	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Welding Plant-600	Tier 4	380	Diesel	3	0.34	0.70	8	6	17	11/7/2045	11/2/2048	37	780	0.131	0.013	0.001	0.001	0.003	75.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/7/2045	11/2/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.226*	*0.061*	*0.001*	*0.001*	*0.008*	*104*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Nov-45	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate		Nov-44	Nov-45	13	260			0.0418	0.0316			
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate		Nov-44	Nov-45	13	260			0.0066	0.0010			
Truck Loading on site - idling	Number of Vehicles	46	12	3.83	Nov-44	Nov-45	13	260	0.0003	0.0002	0.0000	0.0000	0.0000	0.0341	0.0000
Trucks Traveling on site	Number of Vehicles	46	Paved	4.60	Nov-44	Nov-45	13	260	0.0002	0.0008	0.0000	0.0000	0.0000	0.2134	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0484*	*0.0326*	*0.0001*	*0.2475*	*0.0000*
Trackwork and Systems															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-45	Nov-48	37	780			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Nov-45	Nov-48	37	780			0.0330	0.0250			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Nov-45	Nov-48	37	780			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0192	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0333*	*0.0251*	*0.0000*	*0.0310*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation														
				Nov-44	Nov-45	13	260							
				Nov-44	Nov-45	13	260							
				Nov-44	Nov-45	13	260							
				Nov-44	Nov-45	13	260							
Trucks Traveling to site	Number of Vehicles	46	66	Nov-44	Nov-45	13	260	0.0285	0.1049	0.0250	0.0037	0.0030	74.5940	0.0007
				Nov-44	Nov-45	13	260							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-45	13	260							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-44	Nov-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-45	13	260							
Totals								*0.0285*	*0.1049*	*0.0250*	*0.0037*	*0.0030*	*74.5940*	*0.0007*
Trackwork and Systems														
				Nov-45	Nov-48	37	780							
				Nov-45	Nov-48	37	780							
				Nov-45	Nov-48	37	780							
				Nov-45	Nov-48	37	780							
Trucks Traveling to site	Number of Vehicles	2	66	Nov-45	Nov-48	37	780	0.0013	0.0048	0.0011	0.0002	0.0001	3.3966	0.0000
				Nov-45	Nov-48	37	780							
Deliveries Traveling to site	Number of Vehicles	7	66	Nov-45	Nov-48	37	780	0.0008	0.0017	0.0016	0.0002	0.0001	5.7684	0.0001
				Nov-45	Nov-48	37	780							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-45	Nov-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Nov-48	37	780							
Totals								*0.0020*	*0.0065*	*0.0028*	*0.0003*	*0.0002*	*9.1650*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration - West Entrance																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.017	0.002	0.000	0.000	0.000	11.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.018	0.004	0.000	0.000	0.002	8.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	3/18/2049	5/31/2049	3	53	0.018	0.004	0.000	0.000	0.003	8.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/18/2049	5/31/2049	3	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.067*	*0.011*	*0.001*	*0.001*	*0.006*	*36*	*0.000*
Cast-in-place station cavern structure - Station & Crossovers																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/5/2047	2/3/2048	13	260	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	2/5/2047	2/3/2048	13	260	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/5/2047	2/3/2048	13	260	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	2/3/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work - Station & Crossovers																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/4/2048	3/29/2049	14	300	0.016	0.001	0.000	0.000	0.000	8.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.002	0.000	0.000	0.002	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/4/2048	3/29/2049	14	300	0.011	0.001	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2048	3/29/2049	14	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.049*	*0.006*	*0.000*	*0.000*	*0.004*	*22*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-49	May-49	3	53			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-49	May-49	3	53			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-49	May-49	3	53			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0129*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Feb-48	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Feb-48	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-47	Feb-48	13	260	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
				0.00	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0212*	*0.0000*
MEP and Architectural finish work - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-48	Mar-49	14	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-48	Mar-49	14	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-48	Mar-49	14	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0103	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0106*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance														
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
				Mar-49	May-49	3	53							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	May-49	3	53							
Deliveries Traveling to site	Number of Vehicles	6	66	Mar-49	May-49	3	53	0.0005	0.0011	0.0012	0.0001	0.0001	3.7693	0.0000
				Mar-49	May-49	3	53							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-49	May-49	3	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-49	May-49	3	53							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.7693*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers														
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
				Feb-47	Feb-48	13	260							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-47	Feb-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Feb-48	13	260							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Feb-47	Feb-48	13	260	0.0023	0.0090	0.0022	0.0003	0.0002	6.3815	0.0001
				Feb-47	Feb-48	13	260							
Totals								*0.0023*	*0.0090*	*0.0022*	*0.0003*	*0.0002*	*6.3815*	*0.0001*
MEP and Architectural finish work - Station & Crossovers														
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
				Feb-48	Mar-49	14	300							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-49	14	300							
Deliveries Traveling to site	Number of Vehicles	4	66	Feb-48	Mar-49	14	300	0.0004	0.0009	0.0009	0.0001	0.0001	3.1076	0.0000
				Feb-48	Mar-49	14	300							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-48	Mar-49	14	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-49	14	300							
Totals								*0.0004*	*0.0009*	*0.0009*	*0.0001*	*0.0001*	*3.1076*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	9/3/2041	3/7/2042	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	9/3/2041	3/7/2042	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	9/3/2041	3/7/2042	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2041	3/7/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/21/2042	11/24/2042	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	2/21/2042	11/24/2042	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	2/21/2042	11/24/2042	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/21/2042	11/24/2042	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	2/21/2042	11/24/2042	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/21/2042	11/24/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/21/2042	11/24/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/21/2042	11/24/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/21/2042	11/24/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/21/2042	11/24/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	6/10/2042	10/8/2042	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	6/10/2042	10/8/2042	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	6/10/2042	10/8/2042	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	6/10/2042	10/8/2042	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	6/10/2042	10/8/2042	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	6/10/2042	10/8/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	6/10/2042	10/8/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	6/10/2042	10/8/2042	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	6/10/2042	10/8/2042	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/10/2042	10/8/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/8/2042	12/1/2042	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/8/2042	12/1/2042	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	9/8/2042	12/1/2042	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	9/8/2042	12/1/2042	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	9/8/2042	12/1/2042	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2042	12/1/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2042	12/1/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2042	12/1/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/8/2042	12/1/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2042	12/1/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/1/2042	8/31/2043	9	196	0.0103	0.0010	0.0000	0.0000	0.0002	7.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	12/1/2042	8/31/2043	9	196	0.0306	0.0489	0.0011	0.0009	0.0013	16.4	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/1/2042	8/31/2043	9	196	0.0199	0.0020	0.0001	0.0001	0.0004	14.0	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	12/1/2042	8/31/2043	9	196	0.0199	0.0223	0.0007	0.0006	0.0008	7.0	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	12/1/2042	8/31/2043	9	196	0.0212	0.0272	0.0011	0.0010	0.0010	8.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	12/1/2042	8/31/2043	9	196	0.0207	0.0039	0.0003	0.0002	0.0028	9.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/1/2042	8/31/2043	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	10.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	12/1/2042	8/31/2043	9	196	0.0079	0.0058	0.0000	0.0000	0.0002	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/1/2042	8/31/2043	9	196	0.0116	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/1/2042	8/31/2043	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1421*	*0.1120*	*0.0033*	*0.0030*	*0.0068*	*81*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/3/2045	12/24/2046	15	320	0.0101	0.0010	0.0000	0.0000	0.0002	7.1	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	10/3/2045	12/24/2046	15	320	0.0161	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	10/3/2045	12/24/2046	15	320	0.0166	0.0017	0.0001	0.0001	0.0003	9.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/3/2045	12/24/2046	15	320	0.0114	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/3/2045	12/24/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0543*	*0.0046*	*0.0002*	*0.0002*	*0.0009*	*40*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/25/2046	1/20/2048	14	280	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	12/25/2046	1/20/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	12/25/2046	1/20/2048	14	280	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	12/25/2046	1/20/2048	14	280	0.0426	0.0030	0.0001	0.0001	0.0006	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	1/20/2048	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1375*	*0.0207*	*0.0012*	*0.0012*	*0.0135*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	2.8	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	12/25/2046	7/3/2047	8	137	0.0145	0.0015	0.0001	0.0001	0.0003	7.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	12/25/2046	7/3/2047	8	137	0.0219	0.0019	0.0002	0.0002	0.0010	3.7	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	12/25/2046	7/3/2047	8	137	0.0062	0.0046	0.0000	0.0000	0.0002	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/25/2046	7/3/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0427*	*0.0079*	*0.0003*	*0.0003*	*0.0014*	*18*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/19/2047	9/11/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	6/19/2047	9/11/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	6/19/2047	9/11/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	6/19/2047	9/11/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	6/19/2047	9/11/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/19/2047	9/11/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/19/2047	9/11/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/19/2047	9/11/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/19/2047	9/11/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/19/2047	9/11/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	7/3/2047	3/16/2048	9	184	0.0194	0.0019	0.0001	0.0001	0.0004	13.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	7/3/2047	3/16/2048	9	184	0.0173	0.0017	0.0001	0.0001	0.0003	9.3	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	7/3/2047	3/16/2048	9	184	0.0210	0.0048	0.0003	0.0003	0.0028	9.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	7/3/2047	3/16/2048	9	184	0.0204	0.0043	0.0003	0.0003	0.0033	9.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/3/2047	3/16/2048	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0781*	*0.0127*	*0.0007*	*0.0007*	*0.0068*	*42*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-41	Mar-42	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Sep-41	Mar-42	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Sep-41	Mar-42	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-41	Mar-42	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0183	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0212*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Nov-42	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-42	Nov-42	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-42	Nov-42	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0117*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-42	Oct-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-42	Oct-42	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Jun-42	Oct-42	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Jun-42	Oct-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Jun-42	Oct-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Jun-42	Oct-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Jun-42	Oct-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Jun-42	Oct-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-42	Oct-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0288	0.0000
				0.00	Jun-42	Oct-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0597*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Dec-42	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Dec-42	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-42	Dec-42	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Dec-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-42	Aug-43	9	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Dec-42	Aug-43	9	196			0.0488	0.0288			
Truck Loading Dust	Tons of material being loaded per day	1,820	Dirt		Dec-42	Aug-43	9	196			0.0022	0.0003			
Truck Loading on site - idling	Number of Vehicles	91	20	7.58	Dec-42	Aug-43	9	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0733	0.0000
Trucks Traveling on site	Number of Vehicles	91	Paved	9.10	Dec-42	Aug-43	9	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4686	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0011*	*0.0022*	*0.0511*	*0.0291*	*0.0001*	*0.5418*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-45	Dec-46	15	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-45	Dec-46	15	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-45	Dec-46	15	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0064	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Oct-45	Dec-46	15	320	0.0000	0.0002	0.0000	0.0000	0.0000	0.0393	0.0000
				0.00	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0456*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-46	Jan-48	14	280			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-46	Jan-48	14	280			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-46	Jan-48	14	280			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0253	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0260*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-46	Jul-47	8	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-46	Jul-47	8	137			0.0192	0.0113			
Truck Loading Dust	Tons of material being loaded per day	564	Dirt		Dec-46	Jul-47	8	137			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	47	12	3.92	Dec-46	Jul-47	8	137	0.0002	0.0002	0.0000	0.0000	0.0000	0.0301	0.0000
Trucks Traveling on site	Number of Vehicles	47	Paved	4.70	Dec-46	Jul-47	8	137	0.0002	0.0007	0.0000	0.0000	0.0000	0.1840	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0198*	*0.0114*	*0.0000*	*0.2141*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Sep-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-47	Sep-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-47	Sep-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Sep-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Mar-48	9	184			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Jul-47	Mar-48	9	184			0.0115	0.0068			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-47	Mar-48	9	184			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0115*	*0.0068*	*0.0000*	*0.0078*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Sep-41	Mar-42	7	134							
				Sep-41	Mar-42	7	134							
				Sep-41	Mar-42	7	134							
				Sep-41	Mar-42	7	134							
Trucks Traveling to site	Number of Vehicles	4	66	Sep-41	Mar-42	7	134	0.0026	0.0090	0.0021	0.0003	0.0003	6.3790	0.0001
				Sep-41	Mar-42	7	134							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	Mar-42	7	134							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	Mar-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	Mar-42	7	134							
Totals								*0.0026*	*0.0090*	*0.0021*	*0.0003*	*0.0003*	*6.3790*	*0.0001*
Utility Relocation & Site Preparation														
				Feb-42	Nov-42	10	197							
				Feb-42	Nov-42	10	197							
				Feb-42	Nov-42	10	197							
				Feb-42	Nov-42	10	197							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Nov-42	10	197							
Deliveries Traveling to site	Number of Vehicles	4	66	Feb-42	Nov-42	10	197	0.0005	0.0011	0.0009	0.0001	0.0001	3.4135	0.0000
				Feb-42	Nov-42	10	197							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Nov-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Nov-42	10	197							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4135*	*0.0000*
Shoring														
				Jun-42	Oct-42	5	87							
				Jun-42	Oct-42	5	87							
				Jun-42	Oct-42	5	87							
				Jun-42	Oct-42	5	87							
Trucks Traveling to site	Number of Vehicles	5	66	Jun-42	Oct-42	5	87	0.0029	0.0101	0.0024	0.0004	0.0003	7.1718	0.0001
				Jun-42	Oct-42	5	87							
Deliveries Traveling to site	Number of Vehicles	1	66	Jun-42	Oct-42	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7537	0.0000
				Jun-42	Oct-42	5	87							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Jun-42	Oct-42	5	87	0.0040	0.0141	0.0033	0.0005	0.0004	10.0405	0.0001
				Jun-42	Oct-42	5	87							
Totals								*0.0070*	*0.0245*	*0.0059*	*0.0009*	*0.0007*	*17.9660*	*0.0002*
Decking 12 weekends							*Prorated*							
				Sep-42	Dec-42	4	36							
				Sep-42	Dec-42	4	36							
				Sep-42	Dec-42	4	36							
				Sep-42	Dec-42	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Dec-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Dec-42	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Sep-42	Dec-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Sep-42	Dec-42	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Dec-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Dec-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*
Excavation														
				Dec-42	Aug-43	9	196							
				Dec-42	Aug-43	9	196							
				Dec-42	Aug-43	9	196							
				Dec-42	Aug-43	9	196							
Trucks Traveling to site	Number of Vehicles	91	66	Dec-42	Aug-43	9	196	0.0654	0.2298	0.0540	0.0080	0.0070	163.3663	0.0015
				Dec-42	Aug-43	9	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-42	Aug-43	9	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-42	Aug-43	9	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-42	Aug-43	9	196							
Totals								*0.0654*	*0.2298*	*0.0540*	*0.0080*	*0.0070*	*163.3663*	*0.0015*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Oct-45	Dec-46	15	320							
				Oct-45	Dec-46	15	320							
				Oct-45	Dec-46	15	320							
				Oct-45	Dec-46	15	320							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-45	Dec-46	15	320							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-45	Dec-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-45	Dec-46	15	320							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Oct-45	Dec-46	15	320	0.0051	0.0193	0.0046	0.0007	0.0005	13.7488	0.0001
				Oct-45	Dec-46	15	320							
Totals								*0.0051*	*0.0193*	*0.0046*	*0.0007*	*0.0005*	*13.7488*	*0.0001*
MEP and Architectural finish work														
				Dec-46	Jan-48	14	280							
				Dec-46	Jan-48	14	280							
				Dec-46	Jan-48	14	280							
				Dec-46	Jan-48	14	280							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Jan-48	14	280							
Deliveries Traveling to site	Number of Vehicles	10	66	Dec-46	Jan-48	14	280	0.0010	0.0023	0.0022	0.0002	0.0001	7.6015	0.0001
				Dec-46	Jan-48	14	280							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-46	Jan-48	14	280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Jan-48	14	280							
Totals								*0.0010*	*0.0023*	*0.0022*	*0.0002*	*0.0001*	*7.6015*	*0.0001*
Backfill														
				Dec-46	Jul-47	8	137							
				Dec-46	Jul-47	8	137							
				Dec-46	Jul-47	8	137							
				Dec-46	Jul-47	8	137							
Trucks Traveling to site	Number of Vehicles	47	66	Dec-46	Jul-47	8	137	0.0235	0.0908	0.0219	0.0033	0.0025	64.4918	0.0006
				Dec-46	Jul-47	8	137							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Jul-47	8	137							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-46	Jul-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Jul-47	8	137							
Totals								*0.0235*	*0.0908*	*0.0219*	*0.0033*	*0.0025*	*64.4918*	*0.0006*
Decking Removal - 12 weekends							*Prorated*							
				Jun-47	Sep-47	4	36							
				Jun-47	Sep-47	4	36							
				Jun-47	Sep-47	4	36							
				Jun-47	Sep-47	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Sep-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Jun-47	Sep-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Jun-47	Sep-47	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Sep-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	36							
Totals								*0.0006*	*0.0013*	*0.001*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Jul-47	Mar-48	9	184							
				Jul-47	Mar-48	9	184							
				Jul-47	Mar-48	9	184							
				Jul-47	Mar-48	9	184							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Mar-48	9	184							
Deliveries Traveling to site	Number of Vehicles	3	66	Jul-47	Mar-48	9	184	0.0003	0.0007	0.0007	0.0001	0.0000	2.2734	0.0000
				Jul-47	Mar-48	9	184							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Mar-48	9	184	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Mar-48	9	184							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2734*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.013	0.010	0.000	0.000	0.000	5.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	5/30/2041	4	78	0.062	0.004	0.000	0.000	0.001	19.0	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.069	0.006	0.000	0.000	0.004	11.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.145*	*0.020*	*0.001*	*0.001*	*0.005*	*36*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.019	0.002	0.000	0.000	0.000	13.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.022	0.004	0.000	0.000	0.003	10.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.011	0.001	0.000	0.000	0.000	3.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.086*	*0.023*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	1/28/2042	9/15/2042	9	165	0.052	0.005	0.000	0.000	0.001	36.6	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.121	0.012	0.000	0.000	0.002	83.3	0.001
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	5.8	0.000
Other Material Handling Equipment-	Fleet Average	100	Electric	1	0.34	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.026	0.002	0.000	0.000	0.000	10.7	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.037	0.009	0.001	0.000	0.005	18.6	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.025	0.003	0.000	0.000	0.001	4.0	0.000
Construction Equipment Total				*18*										*0.260*	*0.031*	*0.002*	*0.001*	*0.010*	*164*	*0.001*
Shoring - Continued																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.021	0.002	0.000	0.000	0.001	3.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.013	0.010	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.25	8	2	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.25	8	2	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.25	8	2	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.25	8	2	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.50	8	4	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.035*	*0.012*	*0.000*	*0.000*	*0.001*	*11*	*0.000*
Decking - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	8/16/2042	11/8/2042	4	60	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	8/16/2042	11/8/2042	4	60	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.020	0.002	0.000	0.000	0.000	13.8	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.058	0.093	0.002	0.002	0.002	31.2	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.004	0.000	0.000	0.001	26.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.043	0.001	0.001	0.002	13.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.040	0.052	0.002	0.002	0.002	16.7	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.039	0.007	0.000	0.000	0.005	18.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	19.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.015	0.011	0.000	0.000	0.000	7.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.022	0.002	0.000	0.000	0.000	6.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.271*	*0.213*	*0.006*	*0.006*	*0.013*	*154*	*0.001*
Disassembly of TBM and Relocate														Crane used for only 2 weekends (multiplied by 6/40)						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	4/5/2044	5/30/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/5/2044	5/30/2044	2	40	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/5/2044	5/30/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.030*	*0.003*	*0.000*	*0.000*	*0.001*	*21*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	9/19/2045	2/18/2047	18	370	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/19/2045	2/18/2047	18	370	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	9/19/2045	2/18/2047	18	370	0.016	0.002	0.000	0.000	0.000	9.2	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/19/2045	2/18/2047	18	370	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/19/2045	2/18/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/19/2047	6/22/2048	17	350	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/19/2047	6/22/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	2/19/2047	6/22/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/19/2047	6/22/2048	17	350	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	6/22/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.047*	*0.006*	*0.000*	*0.000*	*0.004*	*21*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	6.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	2/19/2047	11/11/2047	10	190	0.032	0.003	0.000	0.000	0.001	17.3	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	2/19/2047	11/11/2047	10	190	0.049	0.004	0.000	0.000	0.002	8.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	2/19/2047	11/11/2047	10	190	0.014	0.010	0.000	0.000	0.000	7.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/19/2047	11/11/2047	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.095*	*0.018*	*0.001*	*0.001*	*0.003*	*39*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	10/28/2047	1/20/2048	4	61	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	10/28/2047	1/20/2048	4	61	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	10/28/2047	1/20/2048	4	61	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	10/28/2047	1/20/2048	4	61	0.034	0.003	0.000	0.000	0.001	19.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	10/28/2047	1/20/2048	4	61	0.081	0.007	0.000	0.000	0.005	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	1/20/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	1/20/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	1/20/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/28/2047	1/20/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	1/20/2048	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.154*	*0.017*	*0.001*	*0.001*	*0.006*	*57*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	11/11/2047	8/17/2048	10	201	0.029	0.003	0.000	0.000	0.001	20.0	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	11/11/2047	8/17/2048	10	201	0.026	0.003	0.000	0.000	0.000	13.7	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	11/11/2047	8/17/2048	10	201	0.031	0.007	0.000	0.000	0.004	14.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	11/11/2047	8/17/2048	10	201	0.030	0.006	0.000	0.000	0.005	13.6	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	16	16	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.25	8	2	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	8/17/2048	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.115*	*0.019*	*0.001*	*0.001*	*0.010*	*62*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	May-41	4	78			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Feb-41	May-41	4	78			0.0102	0.0077			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Feb-41	May-41	4	78			0.0018	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Feb-41	May-41	4	78	0.0001	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-41	May-41	4	78	0.0001	0.0002	0.0000	0.0000	0.0000	0.0607	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0120*	*0.0080*	*0.0000*	*0.0700*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Jul-42	15	304			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Jul-42	15	304			0.0227	0.0134			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Jul-42	15	304			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0227*	*0.0134*	*0.0000*	*0.0125*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Sep-42	9	165			0.0206	0.0121			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Jan-42	Sep-42	9	165			0.0026	0.0004			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0136	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Jan-42	Sep-42	9	165	0.0001	0.0003	0.0001	0.0000	0.0000	0.0867	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0106	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0190	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Jan-42	Sep-42	9	165	0.0001	0.0005	0.0000	0.0000	0.0000	0.1214	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0233*	*0.0125*	*0.0001*	*0.2515*	*0.0000*
Shoring - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-42	Nov-42	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-42	Jun-43	8	166			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-42	Jun-43	8	166			0.0465	0.0274			
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt		Nov-42	Jun-43	8	166			0.0033	0.0005			
Truck Loading on site - idling	Number of Vehicles	147	20	12.25	Nov-42	Jun-43	8	166	0.0009	0.0006	0.0000	0.0000	0.0001	0.1127	0.0000
Trucks Traveling on site	Number of Vehicles	147	Paved	14.70	Nov-42	Jun-43	8	166	0.0008	0.0028	0.0001	0.0000	0.0001	0.7212	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0033*	*0.0500*	*0.0280*	*0.0002*	*0.8340*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-44	May-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-44	May-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-44	May-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0028*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Feb-47	18	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Feb-47	18	370			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Feb-47	18	370			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Sep-45	Feb-47	18	370	0.0000	0.0001	0.0000	0.0000	0.0000	0.0378	0.0000
				0.00	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0440*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Jun-48	17	350			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Jun-48	17	350			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Jun-48	17	350			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0261*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Nov-47	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-47	Nov-47	10	190			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Feb-47	Nov-47	10	190			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Feb-47	Nov-47	10	190	0.0002	0.0002	0.0000	0.0000	0.0000	0.0314	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Feb-47	Nov-47	10	190	0.0002	0.0007	0.0000	0.0000	0.0000	0.1901	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0219*	*0.0127*	*0.0000*	*0.2215*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Jan-48	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-47	Jan-48	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-47	Jan-48	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Jan-48	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Aug-48	10	201			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Nov-47	Aug-48	10	201			0.0113	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Aug-48	10	201			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0113*	*0.0066*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
Trucks Traveling to site	Number of Vehicles	13	66	Feb-41	May-41	4	78	0.0087	0.0297	0.0069	0.0010	0.0009	21.1186	0.0002
				Feb-41	May-41	4	78							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Totals								*0.0087*	*0.0297*	*0.0069*	*0.0010*	*0.0009*	*21.1186*	*0.0002*
Utility Relocation & Site Preparation														
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
Trucks Traveling to site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Deliveries Traveling to site	Number of Vehicles	4	66	May-41	Jul-42	15	304	0.0005	0.0012	0.0009	0.0001	0.0001	3.6554	0.0000
				May-41	Jul-42	15	304							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.6554*	*0.0000*
Shoring														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling to site	Number of Vehicles	20	66	Jan-42	Sep-42	9	165	0.0121	0.0425	0.0100	0.0015	0.0013	30.2259	0.0003
				Jan-42	Sep-42	9	165							
Deliveries Traveling to site	Number of Vehicles	4	66	Jan-42	Sep-42	9	165	0.0004	0.0010	0.0008	0.0001	0.0001	3.1767	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling to site	Number of Vehicles	28	66	Jan-42	Sep-42	9	165	0.0169	0.0595	0.0140	0.0021	0.0018	42.3162	0.0004
				Jan-42	Sep-42	9	165							
Totals								*0.0295*	*0.1031*	*0.0248*	*0.0037*	*0.0032*	*75.7188*	*0.0007*
Shoring - Continued														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Deliveries Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 weekends							*Prorated*							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-42	Nov-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Aug-42	Nov-42	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
Trucks Traveling to site	Number of Vehicles	147	66	Nov-42	Jun-43	8	166	0.1006	0.3536	0.0831	0.0124	0.0107	251.4450	0.0023
				Nov-42	Jun-43	8	166							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Totals								*0.1006*	*0.3536*	*0.0831*	*0.0124*	*0.0107*	*251.4450*	*0.0023*
Disassembly of TBM and Relocate														
				Apr-44	May-44	2	40							
				Apr-44	May-44	2	40							
				Apr-44	May-44	2	40							
				Apr-44	May-44	2	40							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-44	May-44	2	40							
Deliveries Traveling to site	Number of Vehicles	1	66	Apr-44	May-44	2	40	0.0001	0.0002	0.0002	0.0000	0.0000	0.8065	0.0000
				Apr-44	May-44	2	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-44	May-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-44	May-44	2	40							
Totals								*0.0001*	*0.0002*	*0.0002*	*0.0000*	*0.0000*	*0.8065*	*0.0000*
Cast-in-place box structure														
				Sep-45	Feb-47	18	370							
				Sep-45	Feb-47	18	370							
				Sep-45	Feb-47	18	370							
				Sep-45	Feb-47	18	370							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Feb-47	18	370							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-45	Feb-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Feb-47	18	370							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Sep-45	Feb-47	18	370	0.0049	0.0186	0.0045	0.0007	0.0005	13.2476	0.0001
				Sep-45	Feb-47	18	370							
Totals								*0.0049*	*0.0186*	*0.0045*	*0.0007*	*0.0005*	*13.2476*	*0.0001*
MEP and Architectural finish work														
				Feb-47	Jun-48	17	350							
				Feb-47	Jun-48	17	350							
				Feb-47	Jun-48	17	350							
				Feb-47	Jun-48	17	350							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jun-48	17	350							
Deliveries Traveling to site	Number of Vehicles	10	66	Feb-47	Jun-48	17	350	0.0010	0.0022	0.0023	0.0002	0.0001	7.6312	0.0001
				Feb-47	Jun-48	17	350							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Jun-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jun-48	17	350							
Totals								*0.0010*	*0.0022*	*0.002*	*0.0002*	*0.0001*	*7.6312*	*0.0001*
Backfill														
				Feb-47	Nov-47	10	190							
				Feb-47	Nov-47	10	190							
				Feb-47	Nov-47	10	190							
				Feb-47	Nov-47	10	190							
Trucks Traveling to site	Number of Vehicles	44	66	Feb-47	Nov-47	10	190	0.0237	0.0939	0.0227	0.0034	0.0025	66.6868	0.0006
				Feb-47	Nov-47	10	190							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Nov-47	10	190							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Nov-47	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Nov-47	10	190							
Totals								*0.0237*	*0.0939*	*0.0227*	*0.0034*	*0.0025*	*66.6868*	*0.0006*

HH hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*Prorated*							
				Oct-47	Jan-48	4	36							
				Oct-47	Jan-48	4	36							
				Oct-47	Jan-48	4	36							
				Oct-47	Jan-48	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	Jan-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Jan-48	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Oct-47	Jan-48	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Oct-47	Jan-48	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	Jan-48	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Jan-48	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Nov-47	Aug-48	10	201							
				Nov-47	Aug-48	10	201							
				Nov-47	Aug-48	10	201							
				Nov-47	Aug-48	10	201							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Aug-48	10	201							
Deliveries Traveling to site	Number of Vehicles	3	66	Nov-47	Aug-48	10	201	0.0003	0.0007	0.0007	0.0001	0.0000	2.2351	0.0000
				Nov-47	Aug-48	10	201							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Aug-48	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Aug-48	10	201							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2351*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	7/12/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	7/12/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	7/12/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	7/12/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/27/2041	3/3/2042	10	178	0.016	0.002	0.000	0.000	0.000	11.4	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	6/27/2041	3/3/2042	10	178	0.015	0.013	0.000	0.000	0.001	2.5	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	6/27/2041	3/3/2042	10	178	0.019	0.004	0.000	0.000	0.003	8.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/27/2041	3/3/2042	10	178	0.009	0.001	0.000	0.000	0.000	2.9	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	6/27/2041	3/3/2042	10	178	0.016	0.001	0.000	0.000	0.001	2.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/27/2041	3/3/2042	10	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/27/2041	3/3/2042	10	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/27/2041	3/3/2042	10	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/27/2041	3/3/2042	10	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/27/2041	3/3/2042	10	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.076*	*0.020*	*0.001*	*0.000*	*0.005*	*28*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	11/5/2041	2/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	11/5/2041	2/3/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	11/5/2041	2/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	11/5/2041	2/3/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	11/5/2041	2/3/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	11/5/2041	2/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	11/5/2041	2/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	11/5/2041	2/3/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	11/5/2041	2/3/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2041	2/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/4/2042	2/22/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/4/2042	2/22/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	1/4/2042	2/22/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	1/4/2042	2/22/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	1/4/2042	2/22/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/4/2042	2/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/4/2042	2/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/4/2042	2/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/4/2042	2/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/4/2042	2/22/2042	2	35	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/22/2042	3/16/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/22/2042	3/16/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/22/2042	3/16/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/22/2042	3/16/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/22/2042	3/16/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/22/2042	3/16/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/22/2042	3/16/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/22/2042	3/16/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/22/2042	3/16/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/22/2042	3/16/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/20/2043	3/16/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/20/2043	3/16/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/20/2043	3/16/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	7/26/2044	3/20/2045	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	7/26/2044	3/20/2045	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	7/26/2044	3/20/2045	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-600	Tier 2	300	Diesel	2	0.40	0.25	20	5	10	7/26/2044	3/20/2045	9	170	0.065	0.095	0.002	0.002	0.002	32.0	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	7/26/2044	3/20/2045	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/26/2044	3/20/2045	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/26/2044	3/20/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.123*	*0.112*	*0.003*	*0.002*	*0.005*	*114*	*0.001*
TBM Reassembly														*Crane used for only 2 weekends (multiplied by 6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/31/2044	7/25/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	5/31/2044	7/25/2044	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.70	8	6	0	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	7/25/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/17/2043	4/4/2044	14	275	0.019	0.002	0.000	0.000	0.000	13.1	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	3/17/2043	4/4/2044	14	275	0.052	0.004	0.000	0.000	0.001	15.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/17/2043	4/4/2044	14	275	0.038	0.004	0.000	0.000	0.001	20.7	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	55.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	4.3	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.109*	*0.009*	*0.000*	*0.000*	*0.002*	*122*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	57.3	0.000
Segment Hauler-600	Tier 2	300	Diesel	2	0.40	0.25	20	5	10	3/17/2043	4/4/2044	14	275	0.068	0.098	0.002	0.002	0.002	33.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	3/17/2043	4/4/2044	14	275	0.020	0.014	0.000	0.000	0.002	2.7	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/17/2043	4/4/2044	14	275	0.041	0.004	0.000	0.000	0.001	23.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2043	4/4/2044	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.128*	*0.117*	*0.003*	*0.002*	*0.005*	*118*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	5/31/2044	12/11/2045	20	400	0.004	0.000	0.000	0.000	0.000	2.7	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	5/31/2044	12/11/2045	20	400	0.007	0.001	0.000	0.000	0.000	3.4	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	5/31/2044	12/11/2045	20	400	0.020	0.026	0.001	0.001	0.001	9.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	4.7	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	28.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	5/31/2044	12/11/2045	20	400	0.003	0.003	0.000	0.000	0.000	1.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	5/31/2044	12/11/2045	20	400	0.010	0.007	0.000	0.000	0.001	1.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Construction Equipment Total				*21*										*0.044*	*0.037*	*0.001*	*0.001*	*0.002*	*52*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	14.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/31/2044	12/11/2045	20	400	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	5/16/2045	6/22/2048	38	810	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	5/16/2045	6/22/2048	38	810	0.023	0.002	0.000	0.000	0.000	6.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	5/16/2045	6/22/2048	38	810	0.177	0.018	0.001	0.001	0.003	101.6	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/16/2045	6/22/2048	38	810	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.204*	*0.020*	*0.001*	*0.001*	*0.004*	*114*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/10/2045	1/7/2047	15	302	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	11/10/2045	1/7/2047	15	302	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	11/10/2045	1/7/2047	15	302	0.016	0.002	0.000	0.000	0.000	9.0	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/10/2045	1/7/2047	15	302	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2045	1/7/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/8/2047	12/9/2047	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	1/8/2047	12/9/2047	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	1/8/2047	12/9/2047	12	240	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/8/2047	12/9/2047	12	240	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2047	12/9/2047	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	4/2/2047	9/9/2047	6	115	0.016	0.002	0.000	0.000	0.000	8.7	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	4/2/2047	9/9/2047	6	115	0.025	0.002	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	4/2/2047	9/9/2047	6	115	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.05	8	0	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.20	8	2	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.20	10	2	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	0.20	10	2	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	0.25	10	3	0	4/2/2047	9/9/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/26/2047	10/14/2047	3	36	0.0064	0.0006	0.0000	0.0000	0.0001	4.5	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/26/2047	10/14/2047	3	36	0.0066	0.0007	0.0000	0.0000	0.0001	4.7	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	8/26/2047	10/14/2047	3	36	0.0078	0.0062	0.0000	0.0000	0.0004	1.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	8/26/2047	10/14/2047	3	36	0.0133	0.0013	0.0001	0.0001	0.0003	7.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	8/26/2047	10/14/2047	3	36	0.0316	0.0026	0.0002	0.0002	0.0018	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/26/2047	10/14/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/26/2047	10/14/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/26/2047	10/14/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/26/2047	10/14/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/26/2047	10/14/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.066*	*0.011*	*0.000*	*0.000*	*0.003*	*23*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	9/9/2047	2/3/2048	6	106	0.033	0.003	0.000	0.000	0.001	23.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	9/9/2047	2/3/2048	6	106	0.030	0.003	0.000	0.000	0.001	16.0	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	9/9/2047	2/3/2048	6	106	0.036	0.008	0.000	0.000	0.005	17.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	9/9/2047	2/3/2048	6	106	0.035	0.007	0.000	0.000	0.006	15.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/9/2047	2/3/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.135*	*0.022*	*0.001*	*0.001*	*0.012*	*73*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Jul-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Feb-41	Jul-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Feb-41	Jul-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Feb-41	Jul-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-41	Jul-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-41	Mar-42	10	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-41	Mar-42	10	178			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-41	Mar-42	10	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0200*	*0.0118*	*0.0000*	*0.0110*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-41	Feb-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-41	Feb-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Nov-41	Feb-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Nov-41	Feb-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Nov-41	Feb-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Nov-41	Feb-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Nov-41	Feb-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Nov-41	Feb-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Nov-41	Feb-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Nov-41	Feb-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Feb-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Feb-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Feb-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Feb-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Mar-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-42	Mar-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Feb-42	Mar-43	14	276			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	30	20	2.50	Feb-42	Mar-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0219	0.0000
Trucks Traveling on site	Number of Vehicles	30	Paved	3.00	Feb-42	Mar-43	14	276	0.0001	0.0005	0.0000	0.0000	0.0000	0.1398	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0449*	*0.0262*	*0.0000*	*0.1617*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Mar-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-43	Mar-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-43	Mar-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-44	Mar-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jul-44	Mar-45	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,500	Dirt		Jul-44	Mar-45	9	170			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	75	20	6.25	Jul-44	Mar-45	9	170	0.0004	0.0003	0.0000	0.0000	0.0000	0.0526	0.0000
Trucks Traveling on site	Number of Vehicles	75	Paved	7.50	Jul-44	Mar-45	9	170	0.0003	0.0013	0.0001	0.0000	0.0000	0.3286	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0431	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0008*	*0.0016*	*0.0148*	*0.0081*	*0.0001*	*0.4254*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-44	Mar-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-44	Mar-45	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-44	Mar-45	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Jul-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Jul-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Jul-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0036	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0037*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-43	Apr-44	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-43	Apr-44	14	275			0.0138	0.0081			
Truck Loading Dust	Tons of material being loaded per day	2,500	Dirt		Mar-43	Apr-44	14	275			0.0027	0.0004			
Truck Loading on site - idling	Number of Vehicles	125	20	10.42	Mar-43	Apr-44	14	275	0.0007	0.0005	0.0000	0.0000	0.0001	0.0909	0.0000
Trucks Traveling on site	Number of Vehicles	125	Paved	12.50	Mar-43	Apr-44	14	275	0.0006	0.0022	0.0001	0.0000	0.0001	0.5746	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0465	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0013*	*0.0027*	*0.0165*	*0.0085*	*0.0001*	*0.7132*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-43	Apr-44	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-43	Apr-44	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-43	Apr-44	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Dec-45	20	400			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		May-44	Dec-45	20	400			0.0252	0.0149			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		May-44	Dec-45	20	400			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
				0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0252*	*0.0149*	*0.0000*	*0.0108*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Dec-45	20	400			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Dec-45	20	400			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Dec-45	20	400			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-45	Jun-48	38	810			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-45	Jun-48	38	810			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-45	Jun-48	38	810			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0199*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-45	Jan-47	15	302			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-45	Jan-47	15	302			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-45	Jan-47	15	302			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Nov-45	Jan-47	15	302	0.0000	0.0001	0.0000	0.0000	0.0000	0.0371	0.0000
				0.00	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0431*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Dec-47	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-47	Dec-47	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Dec-47	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-47	Sep-47	6	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-47	Sep-47	6	115			0.0215	0.0127			
Truck Loading Dust	Tons of material being loaded per day	408	Dirt		Apr-47	Sep-47	6	115			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	34	12	2.83	Apr-47	Sep-47	6	115	0.0002	0.0001	0.0000	0.0000	0.0000	0.0245	0.0000
Trucks Traveling on site	Number of Vehicles	34	Paved	3.40	Apr-47	Sep-47	6	115	0.0001	0.0006	0.0000	0.0000	0.0000	0.1482	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0007*	*0.0219*	*0.0127*	*0.0000*	*0.1726*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-47	Oct-47	3	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Aggregate		Aug-47	Oct-47	3	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-47	Oct-47	3	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0115*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Feb-48	6	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-47	Feb-48	6	106			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-47	Feb-48	6	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0134*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Jul-41	6	109							
				Feb-41	Jul-41	6	109							
				Feb-41	Jul-41	6	109							
				Feb-41	Jul-41	6	109							
Trucks Traveling to site	Number of Vehicles	13	66	Feb-41	Jul-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Feb-41	Jul-41	6	109							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jul-41	6	109							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	Jul-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jul-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Jun-41	Mar-42	10	178							
				Jun-41	Mar-42	10	178							
				Jun-41	Mar-42	10	178							
				Jun-41	Mar-42	10	178							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-41	Mar-42	10	178							
Deliveries Traveling to site	Number of Vehicles	4	66	Jun-41	Mar-42	10	178	0.0004	0.0011	0.0008	0.0001	0.0001	3.2105	0.0000
				Jun-41	Mar-42	10	178							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-41	Mar-42	10	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-41	Mar-42	10	178							
Totals								*0.0004*	*0.0011*	*0.0008*	*0.0001*	*0.0001*	*3.2105*	*0.0000*
Shoring														
				Nov-41	Feb-42	4	65							
				Nov-41	Feb-42	4	65							
				Nov-41	Feb-42	4	65							
				Nov-41	Feb-42	4	65							
Trucks Traveling to site	Number of Vehicles	5	66	Nov-41	Feb-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Nov-41	Feb-42	4	65							
Deliveries Traveling to site	Number of Vehicles	1	66	Nov-41	Feb-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Nov-41	Feb-42	4	65							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Nov-41	Feb-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Nov-41	Feb-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*Prorated*							
				Jan-42	Feb-42	2	21							
				Jan-42	Feb-42	2	21							
				Jan-42	Feb-42	2	21							
				Jan-42	Feb-42	2	21							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Jan-42	Feb-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Jan-42	Feb-42	2	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Feb-42	Mar-43	14	276							
				Feb-42	Mar-43	14	276							
				Feb-42	Mar-43	14	276							
				Feb-42	Mar-43	14	276							
Trucks Traveling to site	Number of Vehicles	30	66	Feb-42	Mar-43	14	276	0.0195	0.0686	0.0161	0.0024	0.0021	48.7540	0.0004
				Feb-42	Mar-43	14	276							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-43	14	276							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-43	14	276							
Totals								*0.0195*	*0.0686*	*0.0161*	*0.0024*	*0.0021*	*48.7540*	*0.0004*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling to site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
				Jan-43	Mar-43	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Mar-43	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Jan-43	Mar-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Jan-43	Mar-43	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Mar-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Mar-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)														
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
Trucks Traveling to site	Number of Vehicles	75	66	Jul-44	Mar-45	9	170	0.0438	0.1616	0.0385	0.0057	0.0046	114.8640	0.0010
				Jul-44	Mar-45	9	170							
Deliveries Traveling to site	Number of Vehicles	17	66	Jul-44	Mar-45	9	170	0.0017	0.0040	0.0036	0.0004	0.0002	12.9493	0.0001
				Jul-44	Mar-45	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-44	Mar-45	9	170							
Totals								*0.0456*	*0.1656*	*0.0421*	*0.0061*	*0.0049*	*127.8133*	*0.0012*
Bore tunnels from La Brea/Santa Monica to Hollywood/Highland (HH)-continued														
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
				Jul-44	Mar-45	9	170							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-44	Mar-45	9	170							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-44	Mar-45	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-44	Mar-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-44	Mar-45	9	170							
Totals								*0.0000*	*0.0000*	*0.000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				May-44	Jul-44	3	40							
				May-44	Jul-44	3	40							
				May-44	Jul-44	3	40							
				May-44	Jul-44	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jul-44	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	May-44	Jul-44	3	40	0.0001	0.0003	0.0003	0.0000	0.0000	1.0754	0.0000
				May-44	Jul-44	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jul-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jul-44	3	40							
Totals								*0.0001*	*0.0003*	*0.0003*	*0.0000*	*0.0000*	*1.0754*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)														
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
Trucks Traveling to site	Number of Vehicles	125	66	Mar-43	Apr-44	14	275	0.0784	0.2823	0.0668	0.0100	0.0083	200.6087	0.0018
				Mar-43	Apr-44	14	275							
Deliveries Traveling to site	Number of Vehicles	17	66	Mar-43	Apr-44	14	275	0.0019	0.0044	0.0037	0.0004	0.0003	13.9367	0.0001
				Mar-43	Apr-44	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Apr-44	14	275							
Totals								*0.0803*	*0.2867*	*0.0706*	*0.0103*	*0.0086*	*214.5454*	*0.0020*
Bore tunnels from La Brea/Santa Monica (LBSM) to Fairfax/Wilshire (FW)-continued														
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
				Mar-43	Apr-44	14	275							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Apr-44	14	275							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Apr-44	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-43	Apr-44	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-43	Apr-44	14	275							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
Trucks Traveling to site	Number of Vehicles	1	66	May-44	Dec-45	20	400	0.0006	0.0023	0.0005	0.0001	0.0001	1.6216	0.0000
				May-44	Dec-45	20	400							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Dec-45	20	400							
Cement Trucks Traveling to site	Number of Vehicles	1	66	May-44	Dec-45	20	400	0.0006	0.0023	0.0005	0.0001	0.0001	1.6216	0.0000
				May-44	Dec-45	20	400							
Totals								*0.0012*	*0.0046*	*0.0011*	*0.0002*	*0.0001*	*3.2432*	*0.0000*
Crosspassage - Continued														
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
				May-44	Dec-45	20	400							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Dec-45	20	400							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Dec-45	20	400							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Dec-45	20	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Dec-45	20	400							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				May-45	Jun-48	38	810							
				May-45	Jun-48	38	810							
				May-45	Jun-48	38	810							
				May-45	Jun-48	38	810							
Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-48	38	810							
Deliveries Traveling to site	Number of Vehicles	7	66	May-45	Jun-48	38	810	0.0008	0.0018	0.0017	0.0002	0.0001	5.8327	0.0001
				May-45	Jun-48	38	810							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-48	38	810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-48	38	810							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.8327*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Nov-45	Jan-47	15	302							
				Nov-45	Jan-47	15	302							
				Nov-45	Jan-47	15	302							
				Nov-45	Jan-47	15	302							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	302							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-45	Jan-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	302							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Nov-45	Jan-47	15	302	0.0048	0.0183	0.0044	0.0007	0.0005	12.9755	0.0001
				Nov-45	Jan-47	15	302							
Totals								*0.0048*	*0.0183*	*0.0044*	*0.0007*	*0.0005*	*12.9755*	*0.0001*
MEP and Architectural finish work														
				Jan-47	Dec-47	12	240							
				Jan-47	Dec-47	12	240							
				Jan-47	Dec-47	12	240							
				Jan-47	Dec-47	12	240							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Dec-47	12	240							
Deliveries Traveling to site	Number of Vehicles	10	66	Jan-47	Dec-47	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Jan-47	Dec-47	12	240							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-47	Dec-47	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Dec-47	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Apr-47	Sep-47	6	115							
				Apr-47	Sep-47	6	115							
				Apr-47	Sep-47	6	115							
				Apr-47	Sep-47	6	115							
Trucks Traveling to site	Number of Vehicles	34	66	Apr-47	Sep-47	6	115	0.0185	0.0732	0.0177	0.0026	0.0019	51.9827	0.0005
				Apr-47	Sep-47	6	115							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-47	Sep-47	6	115							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-47	Sep-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-47	Sep-47	6	115							
Totals								*0.0185*	*0.0732*	*0.0177*	*0.0026*	*0.0019*	*51.9827*	*0.0005*
Decking Removal - 7 weekends							*Prorated*							
				Aug-47	Oct-47	3	21							
				Aug-47	Oct-47	3	21							
				Aug-47	Oct-47	3	21							
				Aug-47	Oct-47	3	21							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Oct-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Oct-47	3	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-47	Oct-47	3	21	0.0004	0.0010	0.0010	0.0001	0.0001	3.3730	0.0000
				Aug-47	Oct-47	3	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Oct-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Oct-47	3	21							
Totals								*0.0004*	*0.0010*	*0.0010*	*0.0001*	*0.0001*	*3.3730*	*0.0000*
Surface Restoration														
				Sep-47	Feb-48	6	106							
				Sep-47	Feb-48	6	106							
				Sep-47	Feb-48	6	106							
				Sep-47	Feb-48	6	106							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Feb-48	6	106							
Deliveries Traveling to site	Number of Vehicles	6	66	Sep-47	Feb-48	6	106	0.0005	0.0011	0.0012	0.0001	0.0001	3.9290	0.0000
				Sep-47	Feb-48	6	106							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-47	Feb-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Feb-48	6	106							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.9290*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	4/30/2041	11/1/2041	8	134	0.006	0.004	0.000	0.000	0.000	2.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	4/30/2041	11/1/2041	8	134	0.027	0.002	0.000	0.000	0.000	8.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	4/30/2041	11/1/2041	8	134	0.030	0.002	0.000	0.000	0.002	4.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/30/2041	11/1/2041	8	134	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.062*	*0.009*	*0.000*	*0.000*	*0.002*	*15*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/18/2041	7/21/2042	10	197	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	10/18/2041	7/21/2042	10	197	0.017	0.014	0.000	0.000	0.001	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	10/18/2041	7/21/2042	10	197	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/18/2041	7/21/2042	10	197	0.010	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	10/18/2041	7/21/2042	10	197	0.017	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2041	7/21/2042	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2041	7/21/2042	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2041	7/21/2042	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/18/2041	7/21/2042	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2041	7/21/2042	10	197	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	2/4/2042	6/4/2042	5	87	0.025	0.002	0.000	0.000	0.000	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	2/4/2042	6/4/2042	5	87	0.197	0.020	0.001	0.001	0.004	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	2/4/2042	6/4/2042	5	87	0.025	0.002	0.000	0.000	0.000	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	2/4/2042	6/4/2042	5	87	0.035	0.009	0.001	0.000	0.005	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	2/4/2042	6/4/2042	5	87	0.023	0.003	0.000	0.000	0.001	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	2/4/2042	6/4/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	2/4/2042	6/4/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	2/4/2042	6/4/2042	5	87	0.020	0.002	0.000	0.000	0.001	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	2/4/2042	6/4/2042	5	87	0.013	0.009	0.000	0.000	0.000	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/4/2042	6/4/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.338*	*0.047*	*0.002*	*0.002*	*0.012*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/5/2042	7/28/2042	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/5/2042	7/28/2042	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	5/5/2042	7/28/2042	3	61	0.0034	0.0027	0.0000	0.0000	0.0002	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	5/5/2042	7/28/2042	3	61	0.0249	0.0025	0.0001	0.0001	0.0005	14.3	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	5/5/2042	7/28/2042	3	61	0.0083	0.0007	0.0001	0.0001	0.0004	1.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/5/2042	7/28/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/5/2042	7/28/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/5/2042	7/28/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/5/2042	7/28/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/5/2042	7/28/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.059*	*0.008*	*0.000*	*0.000*	*0.001*	*32*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	7/28/2042	4/27/2043	10	196	0.009	0.001	0.000	0.000	0.000	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	7/28/2042	4/27/2043	10	196	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/28/2042	4/27/2043	10	196	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	7/28/2042	4/27/2043	10	196	0.018	0.020	0.001	0.001	0.001	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	7/28/2042	4/27/2043	10	196	0.019	0.024	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	7/28/2042	4/27/2043	10	196	0.019	0.003	0.000	0.000	0.003	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	7/28/2042	4/27/2043	10	196	0.000	0.000	0.000	0.000	0.000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	7/28/2042	4/27/2043	10	196	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/28/2042	4/27/2043	10	196	0.010	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/28/2042	4/27/2043	10	196	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.128*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/27/2044	3/19/2046	16	320	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/27/2044	3/19/2046	16	320	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/27/2044	3/19/2046	16	320	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/27/2044	3/19/2046	16	320	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	3/19/2046	16	320	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/20/2046	4/8/2047	14	275	0.015	0.001	0.000	0.000	0.000	7.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	3/20/2046	4/8/2047	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	3/20/2046	4/8/2047	14	275	0.039	0.008	0.001	0.000	0.006	17.7	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	3/20/2046	4/8/2047	14	275	0.042	0.003	0.000	0.000	0.001	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	4/8/2047	14	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.135*	*0.020*	*0.001*	*0.001*	*0.013*	*56*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	3/20/2046	9/26/2046	7	137	0.017	0.002	0.000	0.000	0.000	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	3/20/2046	9/26/2046	7	137	0.025	0.002	0.000	0.000	0.001	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/20/2046	9/26/2046	7	137	0.007	0.005	0.000	0.000	0.000	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/20/2046	9/26/2046	7	137	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.049*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/12/2046	12/5/2046	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/12/2046	12/5/2046	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	9/12/2046	12/5/2046	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	9/12/2046	12/5/2046	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	9/12/2046	12/5/2046	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2046	12/5/2046	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2046	12/5/2046	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2046	12/5/2046	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/12/2046	12/5/2046	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/12/2046	12/5/2046	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.085*	*0.015*	*0.000*	*0.000*	*0.004*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	9/26/2046	6/3/2047	10	179	0.017	0.002	0.000	0.000	0.000	11.9	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	9/26/2046	6/3/2047	10	179	0.015	0.002	0.000	0.000	0.000	8.1	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	9/26/2046	6/3/2047	10	179	0.018	0.004	0.000	0.000	0.002	8.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	9/26/2046	6/3/2047	10	179	0.018	0.004	0.000	0.000	0.003	8.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2046	6/3/2047	10	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.068*	*0.011*	*0.001*	*0.001*	*0.006*	*37*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Nov-41	8	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Apr-41	Nov-41	8	134			0.0087	0.0066			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Apr-41	Nov-41	8	134			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Apr-41	Nov-41	8	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0160	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0092*	*0.0067*	*0.0000*	*0.0185*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-41	Jul-42	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Oct-41	Jul-42	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-41	Jul-42	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Jun-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-42	Jun-42	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Feb-42	Jun-42	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Feb-42	Jun-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Feb-42	Jun-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Feb-42	Jun-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Feb-42	Jun-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Feb-42	Jun-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Feb-42	Jun-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0288	0.0000
				0.00	Feb-42	Jun-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0597*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-42	Jul-42	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-42	Jul-42	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-42	Jul-42	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0226	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-42	Jul-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0231*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Apr-43	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Jul-42	Apr-43	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	2,000	Dirt		Jul-42	Apr-43	10	196			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	100	20	8.33	Jul-42	Apr-43	10	196	0.0006	0.0004	0.0000	0.0000	0.0000	0.0724	0.0000
Trucks Traveling on site	Number of Vehicles	100	Paved	10.00	Jul-42	Apr-43	10	196	0.0005	0.0018	0.0001	0.0000	0.0001	0.4634	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0462*	*0.0263*	*0.0001*	*0.5359*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Mar-46	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Mar-46	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Mar-46	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-44	Mar-46	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0371	0.0000
				0.00	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0430*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Apr-47	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	Apr-47	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Apr-47	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0248	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0255*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Sep-46	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-46	Sep-46	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	768	Dirt		Mar-46	Sep-46	7	137			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	64	12	5.33	Mar-46	Sep-46	7	137	0.0004	0.0002	0.0000	0.0000	0.0000	0.0468	0.0000
Trucks Traveling on site	Number of Vehicles	64	Paved	6.40	Mar-46	Sep-46	7	137	0.0003	0.0011	0.0001	0.0000	0.0000	0.2864	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0014*	*0.0228*	*0.0131*	*0.0001*	*0.3332*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-46	Dec-46	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-46	Dec-46	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-46	Dec-46	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-46	Dec-46	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-46	Jun-47	10	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Sep-46	Jun-47	10	179			0.0100	0.0059			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-46	Jun-47	10	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0068	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0100*	*0.0059*	*0.0000*	*0.0070*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Nov-41	8	134							
				Apr-41	Nov-41	8	134							
				Apr-41	Nov-41	8	134							
				Apr-41	Nov-41	8	134							
Trucks Traveling to site	Number of Vehicles	4	66	Apr-41	Nov-41	8	134	0.0023	0.0078	0.0018	0.0003	0.0002	5.5817	0.0001
				Apr-41	Nov-41	8	134							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Nov-41	8	134							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-41	Nov-41	8	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Nov-41	8	134							
Totals								*0.0023*	*0.0078*	*0.0018*	*0.0003*	*0.0002*	*5.5817*	*0.0001*
Utility Relocation & Site Preparation														
				Oct-41	Jul-42	10	197							
				Oct-41	Jul-42	10	197							
				Oct-41	Jul-42	10	197							
				Oct-41	Jul-42	10	197							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-41	Jul-42	10	197							
Deliveries Traveling to site	Number of Vehicles	4	66	Oct-41	Jul-42	10	197	0.0005	0.0012	0.0009	0.0001	0.0001	3.5532	0.0000
				Oct-41	Jul-42	10	197							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-41	Jul-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-41	Jul-42	10	197							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5532*	*0.0000*
Shoring														
				Feb-42	Jun-42	5	87							
				Feb-42	Jun-42	5	87							
				Feb-42	Jun-42	5	87							
				Feb-42	Jun-42	5	87							
Trucks Traveling to site	Number of Vehicles	5	66	Feb-42	Jun-42	5	87	0.0029	0.0101	0.0024	0.0004	0.0003	7.1718	0.0001
				Feb-42	Jun-42	5	87							
Deliveries Traveling to site	Number of Vehicles	1	66	Feb-42	Jun-42	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7537	0.0000
				Feb-42	Jun-42	5	87							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Feb-42	Jun-42	5	87	0.0040	0.0141	0.0033	0.0005	0.0004	10.0405	0.0001
				Feb-42	Jun-42	5	87							
Totals								*0.0070*	*0.0245*	*0.0059*	*0.0009*	*0.0007*	*17.9660*	*0.0002*
Decking 12 weekends							*Prorated*							
				May-42	Jul-42	3	36							
				May-42	Jul-42	3	36							
				May-42	Jul-42	3	36							
				May-42	Jul-42	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	May-42	Jul-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Jul-42	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	May-42	Jul-42	3	36	0.0009	0.0022	0.0017	0.0002	0.0001	6.7577	0.0001
				May-42	Jul-42	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-42	Jul-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Jul-42	3	36							
Totals								*0.0009*	*0.0022*	*0.0017*	*0.0002*	*0.0001*	*6.7577*	*0.0001*
Excavation														
				Jul-42	Apr-43	10	196							
				Jul-42	Apr-43	10	196							
				Jul-42	Apr-43	10	196							
				Jul-42	Apr-43	10	196							
Trucks Traveling to site	Number of Vehicles	100	66	Jul-42	Apr-43	10	196	0.0647	0.2272	0.0534	0.0080	0.0069	161.5711	0.0015
				Jul-42	Apr-43	10	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Apr-43	10	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Apr-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Apr-43	10	196							
Totals								*0.0647*	*0.2272*	*0.0534*	*0.0080*	*0.0069*	*161.5711*	*0.0015*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Dec-44	Mar-46	16	320							
				Dec-44	Mar-46	16	320							
				Dec-44	Mar-46	16	320							
				Dec-44	Mar-46	16	320							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Mar-46	16	320							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-44	Mar-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Mar-46	16	320							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Dec-44	Mar-46	16	320	0.0050	0.0183	0.0044	0.0006	0.0005	12.9729	0.0001
				Dec-44	Mar-46	16	320							
Totals								*0.0050*	*0.0183*	*0.0044*	*0.0006*	*0.0005*	*12.9729*	*0.0001*
MEP and Architectural finish work														
				Mar-46	Apr-47	14	275							
				Mar-46	Apr-47	14	275							
				Mar-46	Apr-47	14	275							
				Mar-46	Apr-47	14	275							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Apr-47	14	275							
Deliveries Traveling to site	Number of Vehicles	10	66	Mar-46	Apr-47	14	275	0.0010	0.0022	0.0022	0.0002	0.0001	7.4657	0.0001
				Mar-46	Apr-47	14	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Apr-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Apr-47	14	275							
Totals								*0.0010*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4657*	*0.0001*
Backfill														
				Mar-46	Sep-46	7	137							
				Mar-46	Sep-46	7	137							
				Mar-46	Sep-46	7	137							
				Mar-46	Sep-46	7	137							
Trucks Traveling to site	Number of Vehicles	64	66	Mar-46	Sep-46	7	137	0.0366	0.1413	0.0341	0.0051	0.0038	100.3642	0.0009
				Mar-46	Sep-46	7	137							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Sep-46	7	137							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Sep-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Sep-46	7	137							
Totals								*0.0366*	*0.1413*	*0.0341*	*0.0051*	*0.0038*	*100.3642*	*0.0009*
Decking Removal - 12 weekends							*Prorated*							
				Sep-46	Dec-46	4	36							
				Sep-46	Dec-46	4	36							
				Sep-46	Dec-46	4	36							
				Sep-46	Dec-46	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Dec-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Dec-46	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Sep-46	Dec-46	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Sep-46	Dec-46	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Dec-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Dec-46	4	36							
Totals								*0.0006*	*0.0013*	*0.001*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Sep-46	Jun-47	10	179							
				Sep-46	Jun-47	10	179							
				Sep-46	Jun-47	10	179							
				Sep-46	Jun-47	10	179							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Jun-47	10	179							
Deliveries Traveling to site	Number of Vehicles	3	66	Sep-46	Jun-47	10	179	0.0003	0.0006	0.0006	0.0001	0.0000	2.0410	0.0000
				Sep-46	Jun-47	10	179							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Jun-47	10	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Jun-47	10	179							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.0410*	*0.0000*

FSM hauling

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	9/10/2041	11/9/2041	3	44	0.005	0.004	0.000	0.000	0.000	2.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	9/10/2041	11/9/2041	3	44	0.023	0.002	0.000	0.000	0.000	7.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	9/10/2041	11/9/2041	3	44	0.026	0.002	0.000	0.000	0.001	4.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2041	11/9/2041	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.054*	*0.007*	*0.000*	*0.000*	*0.002*	*13*	*0.000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/10/2041	1/27/2042	3	56	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	11/10/2041	1/27/2042	3	56	0.016	0.013	0.000	0.000	0.001	2.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	11/10/2041	1/27/2042	3	56	0.020	0.004	0.000	0.000	0.003	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/10/2041	1/27/2042	3	56	0.010	0.001	0.000	0.000	0.000	3.0	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	11/10/2041	1/27/2042	3	56	0.017	0.001	0.000	0.000	0.001	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2041	1/27/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2041	1/27/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2041	1/27/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/10/2041	1/27/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/10/2041	1/27/2042	3	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.079*	*0.021*	*0.001*	*0.001*	*0.006*	*30*	*0.000*
Shoring - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	1/28/2042	3/10/2042	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	1/28/2042	3/10/2042	3	30	0.038	0.004	0.000	0.000	0.001	14.8	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	1/28/2042	3/10/2042	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	1/28/2042	3/10/2042	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	1/28/2042	3/10/2042	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	1/28/2042	3/10/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	1/28/2042	3/10/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	1/28/2042	3/10/2042	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-100	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	1/28/2042	3/10/2042	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	3/10/2042	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.091*	*0.013*	*0.001*	*0.000*	*0.003*	*38*	*0.000*
Excavation - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/11/2042	11/9/2042	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	3/11/2042	11/9/2042	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	3/11/2042	11/9/2042	9	174	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	3/11/2042	11/9/2042	9	174	0.131	0.109	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/11/2042	11/9/2042	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*11*										*0.247*	*0.162*	*0.002*	*0.002*	*0.014*	*88*	*0.001*
Cast-in-place station box structure - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/9/2042	8/21/2043	10	205	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	11/9/2042	8/21/2043	10	205	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/9/2042	8/21/2043	10	205	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2042	8/21/2043	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.037*	*0.003*	*0.000*	*0.000*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Miner Rd)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/21/2043	1/25/2044	6	112	0.014	0.001	0.000	0.000	0.000	7.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/21/2043	1/25/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/21/2043	1/25/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/21/2043	1/25/2044	6	112	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/21/2043	1/25/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.043*	*0.006*	*0.000*	*0.000*	*0.003*	*19*	*0.000*
Shoring - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/27/2044	11/7/2044	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	9/27/2044	11/7/2044	3	30	0.038	0.004	0.000	0.000	0.001	14.8	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/27/2044	11/7/2044	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/27/2044	11/7/2044	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/27/2044	11/7/2044	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/27/2044	11/7/2044	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.091*	*0.013*	*0.001*	*0.000*	*0.003*	*38*	*0.000*
Decking -3 Weekends (Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/8/2044	11/29/2044	1	16	0.008	0.001	0.000	0.000	0.000	5.774	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	11/8/2044	11/29/2044	1	16	0.003	0.002	0.000	0.000	0.000	0.427	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	11/8/2044	11/29/2044	1	16	0.019	0.002	0.000	0.000	0.000	10.728	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	11/8/2044	11/29/2044	1	16	0.006	0.000	0.000	0.000	0.000	0.985	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	11/29/2044	1	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.036*	*0.005*	*0.000*	*0.0002*	*0.001*	*18*	*0.000*
Excavation - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/30/2044	9/22/2045	11	213	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	11/30/2044	9/22/2045	11	213	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	11/30/2044	9/22/2045	11	213	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	11/30/2044	9/22/2045	11	213	0.131	0.110	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/30/2044	9/22/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.266*	*0.165*	*0.002*	*0.0022*	*0.016*	*97*	*0.001*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	9/22/2045	9/17/2046	13	257	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	9/22/2045	9/17/2046	13	257	0.015	0.002	0.000	0.000	0.000	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	4.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/22/2045	9/17/2046	13	257	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2045	9/17/2046	13	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.035*	*0.003*	*0.000*	*0.000*	*0.001*	*25*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/17/2046	3/25/2047	7	136	0.015	0.001	0.000	0.000	0.000	7.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.002	0.000	0.000	0.002	4.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.002	0.000	0.000	0.002	4.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/17/2046	3/25/2047	7	136	0.010	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/17/2046	3/25/2047	7	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.044*	*0.006*	*0.000*	*0.000*	*0.003*	*20*	*0.000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	5.4	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.028	0.003	0.000	0.000	0.001	14.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.042	0.004	0.000	0.000	0.002	7.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/29/2048	3/29/2049	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/29/2048	3/29/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.081*	*0.015*	*0.001*	*0.001*	*0.003*	*33*	*0.000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/13/2049	2/3/2049	2	16	0.004	0.000	0.000	0.000	0.000	2.887	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	1/13/2049	2/3/2049	2	16	0.005	0.004	0.000	0.000	0.000	0.854	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	1/13/2049	2/3/2049	2	16	0.009	0.001	0.000	0.000	0.000	4.930	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	1/13/2049	2/3/2049	2	16	0.020	0.002	0.000	0.000	0.001	3.185	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2049	2/3/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.038*	*0.007*	*0.000*	*0.000*	*0.002*	*12*	*0.000*
Conventional Tunneling - Miner Rd to Franklin Pl																				
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	1/26/2044	2/6/2045	14	270	0.104	0.021	0.001	0.001	0.016	48.3	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	1/26/2044	2/6/2045	14	270	0.163	0.136	0.001	0.001	0.014	26.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	1/26/2044	2/6/2045	14	270	0.200	0.020	0.001	0.001	0.004	78.5	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/26/2044	2/6/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.467*	*0.177*	*0.003*	*0.003*	*0.033*	*189*	*0.001*
Conventional Tunneling - Station to North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.017	0.002	0.000	0.000	0.000	12.2	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	2/5/2047	7/8/2047	6	110	0.049	0.003	0.000	0.000	0.001	14.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.3	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	2/5/2047	7/8/2047	6	110	0.035	0.004	0.000	0.000	0.001	19.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	51.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Construction Equipment Total				*13*										*0.102*	*0.009*	*0.000*	*0.000*	*0.002*	*114*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Conventional Tunneling - Station to North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.019	0.013	0.000	0.000	0.002	2.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/5/2047	7/8/2047	6	110	0.038	0.004	0.000	0.000	0.001	21.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	28.2	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.099	0.020	0.001	0.001	0.015	45.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	2/5/2047	7/8/2047	6	110	0.155	0.130	0.001	0.001	0.013	25.5	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	2/5/2047	7/8/2047	6	110	0.190	0.019	0.001	0.001	0.004	74.6	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2047	7/8/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.501*	*0.185*	*0.003*	*0.003*	*0.034*	*204*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	2/13/2045	5/26/2045	4	75	0.018	0.002	0.000	0.000	0.000	12.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	2/13/2045	5/26/2045	4	75	0.036	0.004	0.000	0.000	0.001	19.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	52.5	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	28.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	2/13/2045	5/26/2045	4	75	0.101	0.020	0.001	0.001	0.015	46.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	2/13/2045	5/26/2045	4	75	0.158	0.133	0.001	0.001	0.013	26.1	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	2/13/2045	5/26/2045	4	75	0.195	0.019	0.001	0.001	0.004	76.3	0.001
Construction Equipment Total				*17*										*0.508*	*0.178*	*0.003*	*0.003*	*0.033*	*271*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/13/2045	5/26/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*5*	*0.000*
SEM Construction - South Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	12/27/2044	12/11/2045	13	250	0.051	0.004	0.000	0.000	0.001	15.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	12/27/2044	12/11/2045	13	250	0.037	0.004	0.000	0.000	0.001	20.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	53.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.107*	*0.009*	*0.000*	*0.000*	*0.002*	*120*	*0.000*
SEM Construction - South Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	12/27/2044	12/11/2045	13	250	0.040	0.004	0.000	0.000	0.001	22.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	29.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.104	0.021	0.001	0.001	0.016	48.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	12/27/2044	12/11/2045	13	250	0.163	0.136	0.001	0.001	0.014	26.7	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	12/27/2044	12/11/2045	13	250	0.200	0.020	0.001	0.001	0.004	78.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	12/11/2045	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.525*	*0.194*	*0.004*	*0.003*	*0.036*	*214*	*0.002*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
SEM Construction - Station Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	12/12/2045	2/4/2047	15	300	0.053	0.004	0.000	0.000	0.001	16.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	12/12/2045	2/4/2047	15	300	0.039	0.004	0.000	0.000	0.001	21.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	3.5	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	56.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.111*	*0.010*	*0.000*	*0.000*	*0.002*	*125*	*0.000*
SEM Construction - Station Structure - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.020	0.014	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	12/12/2045	2/4/2047	15	300	0.041	0.004	0.000	0.000	0.001	23.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	30.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.108	0.021	0.001	0.001	0.016	50.0	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	12/12/2045	2/4/2047	15	300	0.169	0.142	0.001	0.001	0.014	27.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	12/12/2045	2/4/2047	15	300	0.207	0.021	0.001	0.001	0.004	81.4	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2045	2/4/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.546*	*0.202*	*0.004*	*0.004*	*0.037*	*223*	*0.002*
SEM Construction - North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.020	0.002	0.000	0.000	0.000	13.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	7/9/2047	6/22/2048	12	250	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	7/9/2047	6/22/2048	12	250	0.040	0.004	0.000	0.000	0.001	22.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	3.6	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	58.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	4.6	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Construction Equipment Total				*13*										*0.116*	*0.010*	*0.000*	*0.000*	*0.002*	*130*	*0.000*
SEM Construction - North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.021	0.015	0.000	0.000	0.002	2.9	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/9/2047	6/22/2048	12	250	0.043	0.004	0.000	0.000	0.001	24.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	32.1	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.112	0.022	0.001	0.001	0.017	52.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	7/9/2047	6/22/2048	12	250	0.176	0.147	0.001	0.001	0.015	29.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	7/9/2047	6/22/2048	12	250	0.216	0.022	0.001	0.001	0.004	84.8	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/9/2047	6/22/2048	12	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.569*	*0.210*	*0.004*	*0.004*	*0.039*	*232*	*0.002*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	10/10/2044	2/6/2045	5	86	0.003	0.000	0.000	0.000	0.000	2.3	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	10/10/2044	2/6/2045	5	86	0.006	0.001	0.000	0.000	0.000	2.9	0.000
Excavator-100	Tier 2	90	Diesel	2	0.34	0.25	8	2	4	10/10/2044	2/6/2045	5	86	0.009	0.011	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	2.0	0.000
Ventilation Plant-300	Fleet Average	200	Electric	1	0.34	1.00	24	24	24	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	12.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.05	8	0	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.42	0.20	8	2	2	10/10/2044	2/6/2045	5	86	0.001	0.001	0.000	0.000	0.000	0.5	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	10/10/2044	2/6/2045	5	86	0.009	0.006	0.000	0.000	0.001	1.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	0.20	10	2	2	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	10	3	3	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Construction Equipment Total				*12*										*0.028*	*0.020*	*0.001*	*0.001*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	1.00	24	24	24	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	6.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/10/2044	2/6/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*1*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*6*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/23/2048	5/3/2049	12	225	0.004	0.000	0.000	0.000	0.000	2.5	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/23/2048	5/3/2049	12	225	0.020	0.001	0.000	0.000	0.000	6.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/23/2048	5/3/2049	12	225	0.156	0.016	0.001	0.001	0.003	89.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/23/2048	5/3/2049	12	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.179*	*0.017*	*0.001*	*0.001*	*0.003*	*100*	*0.001*
Demolition - West Entrance																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	3/26/2047	6/9/2047	4	54	0.009	0.007	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	3/26/2047	6/9/2047	4	54	0.043	0.003	0.000	0.000	0.001	13.1	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	3/26/2047	6/9/2047	4	54	0.048	0.004	0.000	0.000	0.003	7.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/26/2047	6/9/2047	4	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.100*	*0.014*	*0.000*	*0.000*	*0.003*	*25*	*0.000*
Utility Relocation & Site Preparation - West Entrance																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.017	0.002	0.000	0.000	0.000	12.2	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.016	0.013	0.000	0.000	0.001	2.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	6/9/2047	9/23/2047	4	76	0.021	0.004	0.000	0.000	0.003	9.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/9/2047	9/23/2047	4	76	0.010	0.001	0.000	0.000	0.000	3.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	6/9/2047	9/23/2047	4	76	0.017	0.001	0.000	0.000	0.001	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/9/2047	9/23/2047	4	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.081*	*0.021*	*0.001*	*0.001*	*0.006*	*30*	*0.000*
Shoring - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/24/2047	11/4/2047	3	30	0.014	0.001	0.000	0.000	0.000	10.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	9/24/2047	11/4/2047	3	30	0.076	0.008	0.000	0.000	0.001	29.7	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/24/2047	11/4/2047	3	30	0.007	0.000	0.000	0.000	0.000	2.9	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.010	0.003	0.000	0.000	0.001	5.1	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.007	0.001	0.000	0.000	0.000	1.1	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/24/2047	11/4/2047	3	30	0.012	0.001	0.000	0.000	0.001	1.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/24/2047	11/4/2047	3	30	0.004	0.003	0.000	0.000	0.000	1.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/24/2047	11/4/2047	3	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.017*	*0.001*	*0.001*	*0.004*	*53*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/5/2047	3/23/2048	5	100	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	11/5/2047	3/23/2048	5	100	0.028	0.045	0.001	0.001	0.001	15.1	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	11/5/2047	3/23/2048	5	100	0.019	0.025	0.001	0.001	0.001	8.0	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.019	0.004	0.000	0.000	0.003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.007	0.005	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/5/2047	3/23/2048	5	100	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.041	0.004	0.000	0.000	0.001	16.3	0.000
Construction Equipment Total				*11*										*0.172*	*0.107*	*0.003*	*0.003*	*0.007*	*91*	*0.001*
Excavation - West Entrance - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	1.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/5/2047	3/23/2048	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*3*	*0.000*
Cast-in-place station box structure - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/24/2048	9/21/2048	7	130	0.009	0.001	0.000	0.000	0.000	6.2	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.014	0.001	0.000	0.000	0.000	7.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/24/2048	9/21/2048	7	130	0.014	0.001	0.000	0.000	0.000	8.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	8.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/24/2048	9/21/2048	7	130	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/24/2048	9/21/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.047*	*0.004*	*0.000*	*0.000*	*0.001*	*35*	*0.000*
MEP and Architectural finish work - West Entrance																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/22/2048	2/8/2049	6	100	0.013	0.001	0.000	0.000	0.000	6.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/22/2048	2/8/2049	6	100	0.009	0.001	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/22/2048	2/8/2049	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.038*	*0.005*	*0.000*	*0.000*	*0.003*	*17*	*0.000*
Backfill - West Entrance																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.011	0.001	0.000	0.000	0.000	6.1	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.017	0.001	0.000	0.000	0.001	2.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/9/2049	3/17/2049	2	27	0.005	0.004	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/9/2049	3/17/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.006*	*0.000*	*0.000*	*0.001*	*14*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-41	Nov-41	3	44			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Sep-41	Nov-41	3	44			0.0077	0.0058			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Sep-41	Nov-41	3	44			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-41	Nov-41	3	44	0.0000	0.0001	0.0000	0.0000	0.0000	0.0140	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0081*	*0.0059*	*0.0000*	*0.0162*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-41	Jan-42	3	56			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-41	Jan-42	3	56			0.0209	0.0123			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Nov-41	Jan-42	3	56			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0209*	*0.0123*	*0.0000*	*0.0115*	*0.0000*
Shoring - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Mar-42	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Mar-42	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Jan-42	Mar-42	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0118	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Jan-42	Mar-42	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0166	0.0000
				0.00	Jan-42	Mar-42	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0343*	*0.0000*
Excavation - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Mar-42	Nov-42	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	220	Dirt		Mar-42	Nov-42	9	174			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	11	20	0.92	Mar-42	Nov-42	9	174	0.0001	0.0000	0.0000	0.0000	0.0000	0.0079	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Mar-42	Nov-42	9	174	0.0001	0.0002	0.0000	0.0000	0.0000	0.0503	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0436*	*0.0256*	*0.0000*	*0.0581*	*0.0000*
Cast-in-place station box structure - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-42	Aug-43	10	205			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-42	Aug-43	10	205			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-42	Aug-43	10	205			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Nov-42	Aug-43	10	205	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
				0.00	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0224*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-43	Jan-44	6	112			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-43	Jan-44	6	112			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-43	Jan-44	6	112			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0107*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-44	Nov-44	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-44	Nov-44	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-44	Nov-44	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0116	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-44	Nov-44	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0162	0.0000
				0.00	Sep-44	Nov-44	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0337*	*0.0000*
Decking -3 Weekends (Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Nov-44	1	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-44	Nov-44	1	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Nov-44	Nov-44	1	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	5		0.42	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	0.50	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Nov-44	1	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0062*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Sep-45	11	213			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-44	Sep-45	11	213			0.0434	0.0256			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Nov-44	Sep-45	11	213			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Nov-44	Sep-45	11	213	0.0001	0.0001	0.0000	0.0000	0.0000	0.0101	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Nov-44	Sep-45	11	213	0.0001	0.0002	0.0000	0.0000	0.0000	0.0629	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.044*	*0.0257*	*0.0000*	*0.0729*	*0.0000*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Sep-46	13	257			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Sep-46	13	257			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Sep-46	13	257			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-45	Sep-46	13	257	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
				0.00	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0211*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-46	Mar-47	7	136			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-46	Mar-47	7	136			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-46	Mar-47	7	136			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0101*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-48	Mar-49	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-48	Mar-49	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	84	Dirt		Dec-48	Mar-49	4	65			0.0001	0.0000			
Truck Loading on site - idling	Number of Vehicles	7	12	0.58	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0043	0.0000
Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-48	Mar-49	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0257	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0183*	*0.0108*	*0.0000*	*0.0300*	*0.0000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-49	Feb-49	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-49	Feb-49	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-49	Feb-49	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	0.70	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-49	Feb-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin Pl															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-44	Feb-45	14	270			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jan-44	Feb-45	14	270			0.0135	0.0080			
Truck Loading Dust	Tons of material being loaded per day	480	Dirt		Jan-44	Feb-45	14	270			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	24	20	2.00	Jan-44	Feb-45	14	270	0.0001	0.0001	0.0000	0.0000	0.0000	0.0172	0.0000
Trucks Traveling on site	Number of Vehicles	24	Paved	2.40	Jan-44	Feb-45	14	270	0.0001	0.0004	0.0000	0.0000	0.0000	0.1074	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jan-44	Feb-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jan-44	Feb-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Jan-44	Feb-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-44	Feb-45	14	270	0.0000	0.0001	0.0000	0.0000	0.0000	0.0179	0.0000
				0.00	Jan-44	Feb-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0140*	*0.0081*	*0.0000*	*0.1905*	*0.0000*
Conventional Tunneling - Station to North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Jul-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-47	Jul-47	6	110			0.0128	0.0076			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Feb-47	Jul-47	6	110			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Feb-47	Jul-47	6	110	0.0001	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Feb-47	Jul-47	6	110	0.0001	0.0002	0.0000	0.0000	0.0000	0.0584	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0384	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-47	Jul-47	6	110	0.0000	0.0001	0.0000	0.0000	0.0000	0.0167	0.0000
				0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0131*	*0.0076*	*0.0000*	*0.1269*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	Jul-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	Jul-47	6	110			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	Jul-47	6	110			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-45	May-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-45	May-45	4	75			0.0131	0.0077			
Truck Loading Dust	Tons of material being loaded per day	240	Dirt		Feb-45	May-45	4	75			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	12	20	1.00	Feb-45	May-45	4	75	0.0001	0.0000	0.0000	0.0000	0.0000	0.0084	0.0000
Trucks Traveling on site	Number of Vehicles	12	Paved	1.20	Feb-45	May-45	4	75	0.0001	0.0002	0.0000	0.0000	0.0000	0.0518	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0415	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-45	May-45	4	75	0.0000	0.0001	0.0000	0.0000	0.0000	0.0173	0.0000
				0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0134*	*0.0078*	*0.0000*	*0.1228*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-45	May-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-45	May-45	4	75			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-45	May-45	4	75			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Dec-45	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Dec-44	Dec-45	13	250			0.0135	0.0079			
Truck Loading Dust	Tons of material being loaded per day	440	Dirt		Dec-44	Dec-45	13	250			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	22	20	1.83	Dec-44	Dec-45	13	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0157	0.0000
Trucks Traveling on site	Number of Vehicles	22	Paved	2.20	Dec-44	Dec-45	13	250	0.0001	0.0004	0.0000	0.0000	0.0000	0.0981	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0439	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0005*	*0.0140*	*0.0080*	*0.0000*	*0.1589*	*0.0000*
SEM Construction - South Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Dec-45	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Dec-45	13	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Dec-45	13	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Feb-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Dec-45	Feb-47	15	300			0.0140	0.0083			
Truck Loading Dust	Tons of material being loaded per day	260	Dirt		Dec-45	Feb-47	15	300			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	13	20	1.08	Dec-45	Feb-47	15	300	0.0001	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Dec-45	Feb-47	15	300	0.0001	0.0002	0.0000	0.0000	0.0000	0.0598	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0443	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0143*	*0.0083*	*0.0000*	*0.1150*	*0.0000*
SEM Construction - Station Structure - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-45	Feb-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-45	Feb-47	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Jun-48	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jul-47	Jun-48	12	250			0.0146	0.0086			
Truck Loading Dust	Tons of material being loaded per day	360	Dirt		Jul-47	Jun-48	12	250			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	18	20	1.50	Jul-47	Jun-48	12	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0141	0.0000
Trucks Traveling on site	Number of Vehicles	18	Paved	1.80	Jul-47	Jun-48	12	250	0.0001	0.0003	0.0000	0.0000	0.0000	0.0853	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0437	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0150*	*0.0087*	*0.0000*	*0.1442*	*0.0000*
SEM Construction - North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Jun-48	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-47	Jun-48	12	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-47	Jun-48	12	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-44	Feb-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Oct-44	Feb-45	5	86			0.0217	0.0128			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Oct-44	Feb-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
				0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0217*	*0.0128*	*0.0000*	*0.0093*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-44	Feb-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-44	Feb-45	5	86			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-44	Feb-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-48	May-49	12	225			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-48	May-49	12	225			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-48	May-49	12	225			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0158	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0162*	*0.0000*
Demolition - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Jun-47	4	54			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Mar-47	Jun-47	4	54			0.0070	0.0053			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Mar-47	Jun-47	4	54			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0074*	*0.0054*	*0.0000*	*0.0143*	*0.0000*
Utility Relocation & Site Preparation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Sep-47	4	76			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-47	Sep-47	4	76			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-47	Sep-47	4	76			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0213*	*0.0126*	*0.0000*	*0.0096*	*0.0000*
Shoring - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Nov-47	3	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-47	Nov-47	3	30			0.0112	0.0066			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-47	Nov-47	3	30			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-47	Nov-47	3	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0159	0.0000
				0.00	Sep-47	Nov-47	3	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0116*	*0.0067*	*0.0000*	*0.0331*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Mar-48	5	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-47	Mar-48	5	100			0.0448	0.0265			
Truck Loading Dust	Tons of material being loaded per day	660	Dirt		Nov-47	Mar-48	5	100			0.0007	0.0001			
Truck Loading on site - idling	Number of Vehicles	33	20	2.75	Nov-47	Mar-48	5	100	0.0002	0.0001	0.0000	0.0000	0.0000	0.0248	0.0000
Trucks Traveling on site	Number of Vehicles	33	Paved	3.30	Nov-47	Mar-48	5	100	0.0001	0.0006	0.0000	0.0000	0.0000	0.1501	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0007*	*0.0456*	*0.0266*	*0.0000*	*0.1748*	*0.0000*
Excavation - West Entrance - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Mar-48	5	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-47	Mar-48	5	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Mar-48	5	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-48	Sep-48	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-48	Sep-48	7	130			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-48	Sep-48	7	130			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-48	Sep-48	7	130	0.0000	0.0001	0.0000	0.0000	0.0000	0.0168	0.0000
				0.00	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0196*	*0.0000*
MEP and Architectural finish work - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-48	Feb-49	6	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-48	Feb-49	6	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-48	Feb-49	6	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0080	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0082*	*0.0000*
Backfill - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-49	Mar-49	2	27			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-49	Mar-49	2	27			0.0151	0.0089			
Truck Loading Dust	Tons of material being loaded per day	804	Dirt		Feb-49	Mar-49	2	27			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	67	12	5.58	Feb-49	Mar-49	2	27	0.0003	0.0002	0.0000	0.0000	0.0000	0.0342	0.0000
Trucks Traveling on site	Number of Vehicles	67	Paved	6.70	Feb-49	Mar-49	2	27	0.0002	0.0008	0.0000	0.0000	0.0000	0.2038	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0158*	*0.0090*	*0.0000*	*0.2380*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Sep-41	Nov-41	3	44							
				Sep-41	Nov-41	3	44							
				Sep-41	Nov-41	3	44							
				Sep-41	Nov-41	3	44							
Trucks Traveling to site	Number of Vehicles	4	66	Sep-41	Nov-41	3	44	0.0020	0.0069	0.0016	0.0002	0.0002	4.8874	0.0000
				Sep-41	Nov-41	3	44							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	Nov-41	3	44							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	Nov-41	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	Nov-41	3	44							
Totals								*0.0020*	*0.0069*	*0.0016*	*0.0002*	*0.0002*	*4.8874*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Nov-41	Jan-42	3	56							
				Nov-41	Jan-42	3	56							
				Nov-41	Jan-42	3	56							
				Nov-41	Jan-42	3	56							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-41	Jan-42	3	56							
Deliveries Traveling to site	Number of Vehicles	4	66	Nov-41	Jan-42	3	56	0.0005	0.0011	0.0008	0.0001	0.0001	3.3668	0.0000
				Nov-41	Jan-42	3	56							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-41	Jan-42	3	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-41	Jan-42	3	56							
Totals								*0.0005*	*0.0011*	*0.0008*	*0.0001*	*0.0001*	*3.3668*	*0.0000*
Shoring - Shaft (Miner Rd)														
				Jan-42	Mar-42	3	30							
				Jan-42	Mar-42	3	30							
				Jan-42	Mar-42	3	30							
				Jan-42	Mar-42	3	30							
Trucks Traveling to site	Number of Vehicles	5	66	Jan-42	Mar-42	3	30	0.0016	0.0058	0.0014	0.0002	0.0002	4.1217	0.0000
				Jan-42	Mar-42	3	30							
Deliveries Traveling to site	Number of Vehicles	1	66	Jan-42	Mar-42	3	30	0.0001	0.0001	0.0001	0.0000	0.0000	0.4332	0.0000
				Jan-42	Mar-42	3	30							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Jan-42	Mar-42	3	30	0.0023	0.0081	0.0019	0.0003	0.0002	5.7704	0.0001
				Jan-42	Mar-42	3	30							
Totals								*0.0040*	*0.0141*	*0.0034*	*0.0005*	*0.0004*	*10.3253*	*0.0001*
Excavation - Shaft (Miner Rd)														
				Mar-42	Nov-42	9	174							
				Mar-42	Nov-42	9	174							
				Mar-42	Nov-42	9	174							
				Mar-42	Nov-42	9	174							
Trucks Traveling to site	Number of Vehicles	11	66	Mar-42	Nov-42	9	174	0.0070	0.0247	0.0058	0.0009	0.0007	17.5310	0.0002
				Mar-42	Nov-42	9	174							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	174							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	174							
Totals								*0.0070*	*0.0247*	*0.0058*	*0.0009*	*0.0007*	*17.5310*	*0.0002*
Cast-in-place station box structure - Shaft (Miner Rd)														
				Nov-42	Aug-43	10	205							
				Nov-42	Aug-43	10	205							
				Nov-42	Aug-43	10	205							
				Nov-42	Aug-43	10	205							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Aug-43	10	205							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-42	Aug-43	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Aug-43	10	205							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Nov-42	Aug-43	10	205	0.0027	0.0095	0.0022	0.0003	0.0003	6.7596	0.0001
				Nov-42	Aug-43	10	205							
Totals								*0.0027*	*0.0095*	*0.0022*	*0.0003*	*0.0003*	*6.7596*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)														
				Aug-43	Jan-44	6	112							
				Aug-43	Jan-44	6	112							
				Aug-43	Jan-44	6	112							
				Aug-43	Jan-44	6	112							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-43	Jan-44	6	112							
Deliveries Traveling to site	Number of Vehicles	4	66	Aug-43	Jan-44	6	112	0.0004	0.0010	0.0008	0.0001	0.0001	3.1163	0.0000
				Aug-43	Jan-44	6	112							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-43	Jan-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-43	Jan-44	6	112							
Totals								*0.0004*	*0.0010*	*0.0008*	*0.0001*	*0.0001*	*3.1163*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)														
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
				Sep-44	Nov-44	3	30							
Trucks Traveling to site	Number of Vehicles	5	66	Sep-44	Nov-44	3	30	0.0015	0.0057	0.0014	0.0002	0.0002	4.0540	0.0000
				Sep-44	Nov-44	3	30							
Deliveries Traveling to site	Number of Vehicles	1	66	Sep-44	Nov-44	3	30	0.0001	0.0001	0.0001	0.0000	0.0000	0.4033	0.0000
				Sep-44	Nov-44	3	30							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Sep-44	Nov-44	3	30	0.0022	0.0080	0.0019	0.0003	0.0002	5.6756	0.0001
				Sep-44	Nov-44	3	30							
Totals								*0.0038*	*0.0138*	*0.0034*	*0.0005*	*0.0004*	*10.1329*	*0.0001*
Decking -3 Weekends (Pilgrimage Bridge)							*Prorated*							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
				Nov-44	Nov-44	1	9							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-44	Nov-44	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-44	1	9							
Deliveries Traveling to site	Number of Vehicles	5	66	Nov-44	Nov-44	1	9	0.0002	0.0006	0.0005	0.0001	0.0000	1.8147	0.0000
				Nov-44	Nov-44	1	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-44	Nov-44	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Nov-44	1	9							
Totals								*0.0002*	*0.0006*	*0.0005*	*0.0001*	*0.0000*	*1.8147*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)														
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
Trucks Traveling to site	Number of Vehicles	14	66	Nov-44	Sep-45	11	213	0.0084	0.0309	0.0074	0.0011	0.0009	21.9802	0.0002
				Nov-44	Sep-45	11	213							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Totals								*0.0084*	*0.0309*	*0.007*	*0.0011*	*0.0009*	*21.9802*	*0.0002*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)														
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
				Sep-45	Sep-46	13	257							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Sep-46	13	257							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-45	Sep-46	13	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Sep-46	13	257							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Sep-45	Sep-46	13	257	0.0024	0.0090	0.0022	0.0003	0.0003	6.3704	0.0001
				Sep-45	Sep-46	13	257							
Totals								*0.0024*	*0.0090*	*0.0022*	*0.0003*	*0.0003*	*6.3704*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)														
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
				Sep-46	Mar-47	7	136							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Mar-47	7	136							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-46	Mar-47	7	136	0.0004	0.0009	0.0009	0.0001	0.0001	2.9537	0.0000
				Sep-46	Mar-47	7	136							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-46	Mar-47	7	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-46	Mar-47	7	136							
Totals								*0.0004*	*0.0009*	*0.0009*	*0.0001*	*0.0001*	*2.9537*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)														
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
Trucks Traveling to site	Number of Vehicles	7	66	Dec-48	Mar-49	4	65	0.0031	0.0127	0.0031	0.0005	0.0003	9.0387	0.0001
				Dec-48	Mar-49	4	65							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Totals								*0.0031*	*0.0127*	*0.0031*	*0.0005*	*0.0003*	*9.0387*	*0.0001*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)							*Prorated*							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
				Jan-49	Feb-49	2	9							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-49	Feb-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	9							
Deliveries Traveling to site	Number of Vehicles	7	66	Jan-49	Feb-49	2	9	0.0001	0.0003	0.0003	0.0000	0.0000	1.1201	0.0000
				Jan-49	Feb-49	2	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-49	Feb-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	9							
Totals								*0.0001*	*0.0003*	*0.0003*	*0.0000*	*0.0000*	*1.1201*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin Pl														
				Jan-44	Feb-45	14	270							
				Jan-44	Feb-45	14	270							
				Jan-44	Feb-45	14	270							
				Jan-44	Feb-45	14	270							
Trucks Traveling to site	Number of Vehicles	24	66	Jan-44	Feb-45	14	270	0.0143	0.0528	0.0126	0.0019	0.0015	37.5287	0.0003
				Jan-44	Feb-45	14	270							
Deliveries Traveling to site	Number of Vehicles	17	66	Jan-44	Feb-45	14	270	0.0017	0.0041	0.0036	0.0004	0.0002	13.2214	0.0001
				Jan-44	Feb-45	14	270							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Jan-44	Feb-45	14	270	0.0024	0.0088	0.0021	0.0003	0.0003	6.2548	0.0001
				Jan-44	Feb-45	14	270							
Totals								*0.0185*	*0.0657*	*0.0183*	*0.0026*	*0.0020*	*57.0048*	*0.0005*
Conventional Tunneling - Station to North Double Crossover														
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
Trucks Traveling to site	Number of Vehicles	14	66	Feb-47	Jul-47	6	110	0.0073	0.0288	0.0070	0.0010	0.0008	20.4740	0.0002
				Feb-47	Jul-47	6	110							
Deliveries Traveling to site	Number of Vehicles	17	66	Feb-47	Jul-47	6	110	0.0015	0.0034	0.0034	0.0003	0.0002	11.5522	0.0001
				Feb-47	Jul-47	6	110							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Feb-47	Jul-47	6	110	0.0021	0.0082	0.0020	0.0003	0.0002	5.8497	0.0001
				Feb-47	Jul-47	6	110							
Totals								*0.0108*	*0.0404*	*0.0124*	*0.0017*	*0.0012*	*37.8759*	*0.0003*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued														
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
				Feb-47	Jul-47	6	110							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-47	Jul-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	Jul-47	6	110							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft														
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
Trucks Traveling to site	Number of Vehicles	12	66	Feb-45	May-45	4	75	0.0068	0.0255	0.0061	0.0009	0.0007	18.1259	0.0002
				Feb-45	May-45	4	75							
Deliveries Traveling to site	Number of Vehicles	17	66	Feb-45	May-45	4	75	0.0016	0.0038	0.0035	0.0004	0.0002	12.4600	0.0001
				Feb-45	May-45	4	75							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Feb-45	May-45	4	75	0.0023	0.0085	0.0020	0.0003	0.0002	6.0420	0.0001
				Feb-45	May-45	4	75							
Totals								*0.0106*	*0.0378*	*0.0117*	*0.0016*	*0.0012*	*36.6279*	*0.0003*
Conventional Tunneling - North Double Crossover to North Shaft - Continued														
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
				Feb-45	May-45	4	75							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	May-45	4	75							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	May-45	4	75							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-45	May-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	May-45	4	75							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover														
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
Trucks Traveling to site	Number of Vehicles	22	66	Dec-44	Dec-45	13	250	0.0131	0.0483	0.0115	0.0017	0.0014	34.3033	0.0003
				Dec-44	Dec-45	13	250							
Deliveries Traveling to site	Number of Vehicles	17	66	Dec-44	Dec-45	13	250	0.0017	0.0041	0.0036	0.0004	0.0002	13.1837	0.0001
				Dec-44	Dec-45	13	250							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Totals								*0.0148*	*0.0523*	*0.0151*	*0.0021*	*0.0016*	*47.4870*	*0.0004*
SEM Construction - South Double Crossover - Continued														
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
				Dec-44	Dec-45	13	250							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Dec-45	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Dec-45	13	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure														
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
Trucks Traveling to site	Number of Vehicles	13	66	Dec-45	Feb-47	15	300	0.0078	0.0295	0.0071	0.0011	0.0008	20.9455	0.0002
				Dec-45	Feb-47	15	300							
Deliveries Traveling to site	Number of Vehicles	17	66	Dec-45	Feb-47	15	300	0.0017	0.0040	0.0038	0.0004	0.0002	13.2907	0.0001
				Dec-45	Feb-47	15	300							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Totals								*0.0095*	*0.0335*	*0.0108*	*0.0014*	*0.0011*	*34.2362*	*0.0003*
SEM Construction - Station Structure - Continued														
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
				Dec-45	Feb-47	15	300							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-45	Feb-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-45	Feb-47	15	300							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover														
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
Trucks Traveling to site	Number of Vehicles	18	66	Jul-47	Jun-48	12	250	0.0106	0.0421	0.0102	0.0015	0.0011	29.9133	0.0003
				Jul-47	Jun-48	12	250							
Deliveries Traveling to site	Number of Vehicles	17	66	Jul-47	Jun-48	12	250	0.0017	0.0038	0.0039	0.0004	0.0002	13.1275	0.0001
				Jul-47	Jun-48	12	250							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Totals								*0.0123*	*0.0460*	*0.0141*	*0.0019*	*0.0014*	*43.0408*	*0.0004*
SEM Construction - North Double Crossover - Continued														
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
				Jul-47	Jun-48	12	250							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-47	Jun-48	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Jun-48	12	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
Trucks Traveling to site	Number of Vehicles	1	66	Oct-44	Feb-45	5	86	0.0005	0.0020	0.0005	0.0001	0.0001	1.3946	0.0000
				Oct-44	Feb-45	5	86							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Feb-45	5	86							
Cement Trucks Traveling to site	Number of Vehicles	1	66	Oct-44	Feb-45	5	86	0.0005	0.0020	0.0005	0.0001	0.0001	1.3946	0.0000
				Oct-44	Feb-45	5	86							
Totals								*0.0011*	*0.0039*	*0.0009*	*0.0001*	*0.0001*	*2.7892*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued														
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
				Oct-44	Feb-45	5	86							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Feb-45	5	86							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Feb-45	5	86							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-44	Feb-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Feb-45	5	86							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
				Jun-48	May-49	12	225							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	May-49	12	225							
Deliveries Traveling to site	Number of Vehicles	7	66	Jun-48	May-49	12	225	0.0006	0.0014	0.0014	0.0001	0.0001	4.7584	0.0000
				Jun-48	May-49	12	225							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-48	May-49	12	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	May-49	12	225							
Totals								*0.0006*	*0.0014*	*0.0014*	*0.0001*	*0.0001*	*4.7584*	*0.0000*
Demolition - West Entrance														
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
				Mar-47	Jun-47	4	54							
Trucks Traveling to site	Number of Vehicles	4	66	Mar-47	Jun-47	4	54	0.0015	0.0061	0.0015	0.0002	0.0002	4.3075	0.0000
				Mar-47	Jun-47	4	54							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jun-47	4	54							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-47	Jun-47	4	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Jun-47	4	54							
Totals								*0.0015*	*0.0061*	*0.0015*	*0.0002*	*0.0002*	*4.3075*	*0.0000*
Utility Relocation & Site Preparation - West Entrance														
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
				Jun-47	Sep-47	4	76							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	76							
Deliveries Traveling to site	Number of Vehicles	4	66	Jun-47	Sep-47	4	76	0.0004	0.0008	0.0008	0.0001	0.0001	2.8170	0.0000
				Jun-47	Sep-47	4	76							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Sep-47	4	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Sep-47	4	76							
Totals								*0.0004*	*0.0008*	*0.0008*	*0.0001*	*0.0001*	*2.8170*	*0.0000*
Shoring - West Entrance														
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
				Sep-47	Nov-47	3	30							
Trucks Traveling to site	Number of Vehicles	5	66	Sep-47	Nov-47	3	30	0.0014	0.0056	0.0014	0.0002	0.0001	3.9884	0.0000
				Sep-47	Nov-47	3	30							
Deliveries Traveling to site	Number of Vehicles	1	66	Sep-47	Nov-47	3	30	0.0000	0.0001	0.0001	0.0000	0.0000	0.3707	0.0000
				Sep-47	Nov-47	3	30							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Sep-47	Nov-47	3	30	0.0020	0.0079	0.0019	0.0003	0.0002	5.5838	0.0001
				Sep-47	Nov-47	3	30							
Totals								*0.0035*	*0.0136*	*0.0034*	*0.0005*	*0.0004*	*9.9429*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Travelled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance														
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
Trucks Traveling to site	Number of Vehicles	33	66	Nov-47	Mar-48	5	100	0.0187	0.0741	0.0179	0.0027	0.0020	52.6474	0.0005
				Nov-47	Mar-48	5	100							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Totals								*0.0187*	*0.0741*	*0.0179*	*0.0027*	*0.0020*	*52.6474*	*0.0005*
Excavation - West Entrance - Continued														
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
				Nov-47	Mar-48	5	100							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Mar-48	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Mar-48	5	100							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance														
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
				Mar-48	Sep-48	7	130							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Sep-48	7	130							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-48	Sep-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Sep-48	7	130							
Cement Trucks Traveling to site	Number of Vehicles	4	66	Mar-48	Sep-48	7	130	0.0021	0.0083	0.0020	0.0003	0.0002	5.9028	0.0001
				Mar-48	Sep-48	7	130							
Totals								*0.0021*	*0.0083*	*0.0020*	*0.0003*	*0.0002*	*5.9028*	*0.0001*
MEP and Architectural finish work - West Entrance														
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
				Sep-48	Feb-49	6	100							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Feb-49	6	100							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-48	Feb-49	6	100	0.0003	0.0007	0.0007	0.0001	0.0000	2.4170	0.0000
				Sep-48	Feb-49	6	100							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-48	Feb-49	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Feb-49	6	100							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.4170*	*0.0000*
Backfill - West Entrance														
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
				Feb-49	Mar-49	2	27							
Trucks Traveling to site	Number of Vehicles	67	66	Feb-49	Mar-49	2	27	0.0244	0.1011	0.0246	0.0036	0.0025	71.6416	0.0007
				Feb-49	Mar-49	2	27							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	Mar-49	2	27							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-49	Mar-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	Mar-49	2	27							
Totals								*0.0244*	*0.1011*	*0.0246*	*0.0036*	*0.0025*	*71.6416*	*0.0007*

K LINE NORTHERN EXTENSION - Section 1 LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.44	2.99	0.01	0.01	0.01	873
2042	0.27	2.00	5.71	0.02	0.06	0.06	2,481
2043	0.29	3.33	6.69	0.03	0.09	0.09	4,287
2044	0.18	2.50	5.20	0.02	0.07	0.06	4,204
2045	0.15	1.52	4.51	0.02	0.05	0.05	3,555
2046	0.27	0.89	5.97	0.03	0.04	0.04	3,414
2047	0.34	0.85	6.48	0.03	0.04	0.04	3,278
2048	0.41	1.09	7.10	0.03	0.05	0.04	3,481
2049	0.03	0.10	0.97	0.01	0.00	0.00	539
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.28	1
2042	0.00	0.02	0.01	0.00	1.12	0.67	5
2043	0.00	0.04	0.02	0.00	1.28	0.74	10
2044	0.00	0.04	0.02	0.00	0.77	0.43	11
2045	0.00	0.02	0.01	0.00	0.53	0.31	5
2046	0.00	0.01	0.01	0.00	0.33	0.19	3
2047	0.00	0.01	0.01	0.00	0.33	0.20	3
2048	0.00	0.01	0.00	0.00	0.51	0.33	3
2049	0.00	0.00	0.00	0.00	0.02	0.01	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.44	0.13	0.00	0.10	0.02	323
2042	0.07	2.12	0.61	0.01	0.51	0.08	1,567
2043	0.13	4.13	1.17	0.03	1.01	0.15	3,067
2044	0.13	4.45	1.22	0.03	1.09	0.16	3,284
2045	0.05	1.81	0.50	0.01	0.45	0.07	1,367
2046	0.03	1.14	0.31	0.01	0.31	0.04	946
2047	0.03	1.09	0.29	0.01	0.31	0.04	940
2048	0.01	0.18	0.06	0.00	0.10	0.01	319
2049	0.00	0.01	0.00	0.00	0.01	0.00	28
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.32	0.00	0.01	0.00	125
2042	0.01	0.03	0.80	0.00	0.02	0.01	310
2043	0.01	0.04	1.19	0.00	0.03	0.01	463
2044	0.01	0.05	1.35	0.01	0.03	0.01	526
2045	0.01	0.05	1.34	0.01	0.03	0.01	523
2046	0.01	0.04	1.24	0.00	0.03	0.01	486
2047	0.01	0.04	1.14	0.00	0.03	0.01	447
2048	0.01	0.04	1.14	0.00	0.03	0.01	448
2049	0.00	0.01	0.31	0.00	0.01	0.00	124
2050	0.00	0.01	0.20	0.00	0.00	0.00	78
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.90	3.44	0.01	0.54	0.31	1,322
2042	0.34	4.17	7.13	0.04	1.71	0.81	4,363
2043	0.43	7.54	9.07	0.06	2.40	0.99	7,827
2044	0.33	7.04	7.79	0.06	1.96	0.67	8,025
2045	0.21	3.39	6.35	0.04	1.06	0.43	5,450
2046	0.31	2.08	7.52	0.04	0.71	0.28	4,849
2047	0.39	1.99	7.92	0.04	0.70	0.29	4,668
2048	0.43	1.32	8.30	0.04	0.68	0.40	4,250
2049	0.03	0.12	1.29	0.01	0.04	0.02	690
2050	0.00	0.01	0.20	0.00	0.00	0.00	78
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for Project (US Tons)	2.60	28.56	59.00	0.34	9.82	4.20	41,523
BTUs							
CO2e (tons)							41,896
CO2 (metric tons)							37,669
CO2e (metric tons)							38,007

K LINE NORTHERN EXTENSION - Section 1 LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	23	0	0	0
2042	2	15	44	0	0	0
2043	2	25	51	0	1	1
2044	1	19	40	0	1	0
2045	1	12	34	0	0	0
2046	2	7	46	0	0	0
2047	3	7	49	0	0	0
2048	3	8	54	0	0	0
2049	0	1	7	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*3*	*25*	*54*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	9	5
2043	0	0	0	0	10	6
2044	0	0	0	0	6	3
2045	0	0	0	0	4	2
2046	0	0	0	0	3	1
2047	0	0	0	0	3	2
2048	0	0	0	0	4	3
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*10*	*6*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	3	1	0	1	0
2042	0	16	5	0	4	1
2043	1	32	9	0	8	1
2044	1	34	9	0	8	1
2045	0	14	4	0	3	1
2046	0	9	2	0	2	0
2047	0	8	2	0	2	0
2048	0	1	0	0	1	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*34*	*9*	*0*	*8*	*1*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	6	0	0	0
2043	0	0	9	0	0	0
2044	0	0	10	0	0	0
2045	0	0	10	0	0	0
2046	0	0	9	0	0	0
2047	0	0	9	0	0	0
2048	0	0	9	0	0	0
2049	0	0	2	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*10*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	7	26	0	4	2
2042	3	32	54	0	13	6
2043	3	58	69	0	18	8
2044	3	54	59	0	15	5
2045	2	26	48	0	8	3
2046	2	16	57	0	5	2
2047	3	15	60	0	5	2
2048	3	10	63	0	5	3
2049	0	1	10	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*3*	*58*	*69*	*0*	*18*	*8*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 1 LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.01	0.04	0.16	0.00	0.00	0.00	59
2048	0.05	0.30	1.11	0.00	0.01	0.01	478
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.00	0.00	0.00	0.04	0.03	0
2048	0.00	0.00	0.00	0.00	0.20	0.15	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.00	0.04	0.01	0.00	0.01	0.00	30
2048	0.00	0.12	0.03	0.00	0.03	0.00	105
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	-	-	-	-	-	-	-
2045	-	-	-	-	-	-	-
2046	-	-	-	-	-	-	-
2047	0.00	0.00	0.03	0.00	0.00	0.00	13
2048	0.00	0.01	0.16	0.00	0.00	0.00	64
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.00	0.00	-
2045	0.00	0.00	0.00	0.00	0.00	0.00	-
2046	0.00	0.00	0.00	0.00	0.00	0.00	-
2047	0.01	0.08	0.20	0.00	0.05	0.03	101
2048	0.05	0.42	1.30	0.01	0.25	0.16	648
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	0.00	0.00	0.00	0.00	0.00	0.00	-
Total for MSF (US Tons)	0.07	0.51	1.57	0.01	0.30	0.19	778
BTUs							
CO2e (tons)							785
CO2 (metric tons)							706
CO2e (metric tons)							712

K LINE NORTHERN EXTENSION - Section 1 LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	1	0	0	0
2048	0	2	8	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*2*	*8*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	2	1
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*2*	*1*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	1	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*0*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	1	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*1*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	0	0
2045	0	0	0	0	0	0
2046	0	0	0	0	0	0
2047	0	1	2	0	0	0
2048	0	3	10	0	2	1
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*0*	*3*	*10*	*0*	*2*	*1*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.2150	0.2150	0.2150	0.2150	0.2150	0.2150	0.2150	0.2888	0.4196	0.4196
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0130	0.0078	0.0078
	Total	0.0000	0.0000	0.2277	0.2277	0.2277	0.2277	0.2277	0.2277	0.2277	0.3020	0.4276	0.4276
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0704	0.0704	0.0704	0.0704	0.0704
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0731	0.0731	0.0731	0.0731	0.0731
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.2150	0.2150	0.2150	0.2150	0.2150	0.2854	0.2854	0.3592	0.4900	0.4900
TOTALS	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0125	0.0125	0.0125	0.0125	0.0125	0.0151	0.0151	0.0156	0.0104	0.0104
0.7417	Total	0.000	0.000	0.228	0.228	0.228	0.228	0.228	0.301	0.301	0.375	0.501	0.501
YEARLY TOTALS		3.117											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0673	0.0673	0.0673
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0728	0.0728	0.0728
MC	Equipment	0.4196	0.4490	0.2104	0.2104	0.2104	0.1366	0.1366	0.1702	0.1366	0.1366	0.1366	0.1366
	Activity	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0078	0.0083	0.0412	0.0412	0.0412	0.0407	0.0407	0.0411	0.0407	0.0407	0.0407	0.0407
	Total	0.4276	0.4575	0.2523	0.2523	0.2523	0.1780	0.1780	0.2120	0.1780	0.1780	0.1780	0.1780
CA	Equipment	0.0704	0.0847	0.0847	0.0847	0.0847	0.4305	0.4305	0.4305	0.4893	0.0589	0.1262	0.1262
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0010	0.0010
	Hauling	0.0026	0.0005	0.0005	0.0005	0.0005	0.0076	0.0076	0.0076	0.0085	0.0009	0.0612	0.0612
	Total	0.0731	0.0852	0.0852	0.0852	0.0852	0.4382	0.4382	0.4382	0.4980	0.0598	0.1884	0.1884
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0645	0.0645	0.0645	0.0645	0.0880	0.0880	0.0880
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	0.0657	0.0657	0.0657	0.0885	0.0885	0.0885
All Areas	Equipment	0.4900	0.5337	0.2951	0.2951	0.2951	0.6316	0.6316	0.6652	0.6905	0.3508	0.4181	0.4181
TOTALS	Activity	0.0002	0.0001	0.0007	0.0007	0.0007	0.0008	0.0008	0.0008	0.0008	0.0008	0.0017	0.0017
	Hauling	0.0104	0.0088	0.0417	0.0417	0.0417	0.0495	0.0495	0.0499	0.0504	0.0476	0.1079	0.1079
0.7417	Total	0.501	0.543	0.337	0.337	0.337	0.682	0.682	0.716	0.742	0.399	0.528	0.528
YEARLY TOTALS		6.332											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.000000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.0673	0.0673	0.0911	0.0911	0.0911	0.0911	0.0911	0.0911	0.0911	0.3966	0.3966	0.3966
	Activity	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005
	Hauling	0.0054	0.0054	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0300	0.0300	0.0300
	Total	0.0728	0.0728	0.0915	0.0915	0.0915	0.0915	0.0915	0.0915	0.0915	0.4271	0.4271	0.4271
MC	Equipment	0.1366	0.1366	0.1635	0.1635	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447	0.2447
	Activity	0.0007	0.0007	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0407	0.0407	0.0409	0.0409	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600	0.0600
	Total	0.1780	0.1780	0.2050	0.2050	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057	0.3057
CA	Equipment	0.1262	0.1262	0.1262	0.1262	0.1262	0.1262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0612	0.0612	0.0612	0.0612	0.0612	0.0612	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1884	0.1884	0.1884	0.1884	0.1884	0.1884	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.2815	0.2815	0.1215	0.1215	0.1215	0.1215	0.1215	0.1215	0.1215	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0065	0.0065	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000
	Total	0.2881	0.2881	0.1276	0.1276	0.1276	0.1276	0.1276	0.1276	0.1276	0.0000	0.0000	0.0000
All Areas	Equipment	0.6116	0.6116	0.5022	0.5022	0.5835	0.5835	0.4573	0.4573	0.4573	0.6413	0.6413	0.6413
TOTALS	Activity	0.0018	0.0018	0.0018	0.0018	0.0021	0.0021	0.0011	0.0011	0.0011	0.0015	0.0015	0.0015
	Hauling	0.1139	0.1139	0.1086	0.1086	0.1276	0.1276	0.0664	0.0664	0.0664	0.0900	0.0900	0.0900
0.7417	Total	0.727	0.727	0.613	0.613	0.713	0.713	0.525	0.525	0.525	0.733	0.733	0.733
YEARLY TOTALS		7.879											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.3966	0.3966	0.3497	0.0442	0.0442	0.1266	0.1266	0.1266	0.1266	0.1266	0.1266	0.1266
	Activity	0.0005	0.0005	0.0005	0.0000	0.0000	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0300	0.0300	0.0302	0.0006	0.0006	0.0943	0.0943	0.0943	0.0943	0.0943	0.0943	0.0943
	Total	0.4271	0.4271	0.3803	0.0448	0.0448	0.2225	0.2225	0.222451	0.2225	0.2225	0.2225	0.2225
MC	Equipment	0.2447	0.2447	0.2447	0.0000	0.0000	0.0868	0.2903	0.2903	0.2903	0.2903	0.2903	0.2903
	Activity	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0600	0.0600	0.0600	0.0000	0.0000	0.0015	0.0462	0.0462	0.0462	0.0462	0.0462	0.0462
	Total	0.3057	0.3057	0.3057	0.0000	0.0000	0.0883	0.3372	0.3372	0.3372	0.3372	0.3372	0.3372
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0731	0.0731	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534	0.0534
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.0000	0.0000	0.0000	0.0745	0.0745	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547	0.0547
All Areas	Equipment	0.6413	0.6413	0.5944	0.1173	0.1173	0.2668	0.4703	0.4703	0.4703	0.4703	0.4703	0.4703
TOTALS	Activity	0.0015	0.0015	0.0015	0.0000	0.0000	0.0016	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Hauling	0.0900	0.0900	0.0901	0.0020	0.0020	0.0971	0.1417	0.1417	0.1417	0.1417	0.1417	0.1417
0.7417	Total	0.733	0.733	0.686	0.119	0.119	0.366	0.614	0.614	0.6144	0.6144	0.614	0.614
YEARLY TOTALS		6.442											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.1266	0.1266	0.0000	0.0000	0.0000	0.0000	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530
	Activity	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0943	0.0943	0.0000	0.0000	0.0000	0.0000	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.2225	0.2225	0.0000	0.0000	0.0000	0.0000	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581
MC	Equipment	0.2903	0.2903	0.2903	0.2903	0.0465	0.0465	0.2497	0.2497	0.2497	0.2497	0.2497	0.2497
	Activity	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0462	0.0462	0.0462	0.0462	0.0013	0.0013	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.3372	0.3372	0.3372	0.3372	0.0479	0.0479	0.2518	0.2518	0.2518	0.2518	0.2518	0.2518
CA	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050
	Total	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559	0.0559
CE	Equipment	0.0406	0.0406	0.0406	0.0780	0.0780	0.0829	0.0735	0.0735	0.0328	0.0328	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0078	0.0078	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000
	Total	0.0408	0.0408	0.0408	0.0860	0.0860	0.0833	0.0738	0.0738	0.0329	0.0329	0.0000	0.0000
All Areas	Equipment	0.5084	0.5084	0.3818	0.4192	0.1754	0.1803	0.4270	0.4270	0.3864	0.3864	0.3536	0.3536
TOTALS	Activity	0.0024	0.0024	0.0008	0.0010	0.0002	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.1456	0.1456	0.0513	0.0590	0.0141	0.0066	0.0123	0.0123	0.0121	0.0121	0.0120	0.0120
0.7417	Total	0.656	0.656	0.434	0.479	0.190	0.187	0.440	0.440	0.399	0.399	0.366	0.366
YEARLY TOTALS		5.011											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.0530	0.1863
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0050	0.0262
	Total	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.0581	0.2129
MC	Equipment	0.2497	0.2497	0.2497	0.2497	0.2497	0.2032	0.2032	0.2554	0.2554	0.2554	0.2554	0.2554
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0008	0.0008	0.0056	0.0056	0.0056	0.0056	0.0056
	Total	0.2518	0.2518	0.2518	0.2518	0.2518	0.2039	0.2039	0.2610	0.2610	0.2610	0.2610	0.2610
CA	Equipment	0.0509	0.0509	0.1837	0.1837	0.1837	0.1837	0.1837	0.1837	0.3228	0.3228	0.2100	0.2100
	Activity	0.0001	0.0001	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0050	0.0281	0.0281	0.0281	0.0281	0.0281	0.0281	0.0020	0.0020	0.0013	0.0013
	Total	0.0559	0.0559	0.2123	0.2123	0.2123	0.2123	0.2123	0.2123	0.3248	0.3248	0.2113	0.2113
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3536	0.3536	0.4864	0.4864	0.4864	0.4399	0.4399	0.4921	0.6312	0.6312	0.5184	0.6517
TOTALS	Activity	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0007	0.0002	0.0002	0.0002	0.0005
	Hauling	0.0120	0.0120	0.0352	0.0352	0.0352	0.0338	0.0338	0.0386	0.0126	0.0126	0.0118	0.0330
0.7417	Total	0.366	0.366	0.522	0.522	0.522	0.474	0.474	0.531	0.644	0.644	0.530	0.685
YEARLY TOTALS		6.282											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0791	0.0791
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0053	0.0053
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0844	0.0844
LW	Equipment	0.1863	0.1863	0.1863	0.1863	0.1863	0.1863	0.1863	0.1863	0.3224	0.3224	0.2096	0.2096
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0020	0.0020	0.0012	0.0012
	Total	0.2129	0.2129	0.2129	0.2129	0.2129	0.2129	0.2129	0.2129	0.3244	0.3244	0.2109	0.2109
MC	Equipment	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.2554	0.3952
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006
	Hauling	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0018
	Total	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.2610	0.3976
CA	Equipment	0.2100	0.2100	0.0726	0.0726	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2113	0.2113	0.0728	0.0728	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6517	0.6517	0.5143	0.5143	0.4417	0.4417	0.4417	0.4417	0.5778	0.5778	0.5441	0.6839
TOTALS	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0001	0.0002	0.0007
	Hauling	0.0330	0.0330	0.0320	0.0320	0.0317	0.0317	0.0317	0.0317	0.0075	0.0075	0.0121	0.0083
0.7417	Total	0.685	0.685	0.547	0.547	0.474	0.474	0.474	0.474	0.585	0.585	0.556	0.693
YEARLY TOTALS		6.780											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0791	0.0791	0.0791	0.0791	0.1317	0.1317	0.1317	0.1317	0.1317	0.1317	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0053	0.0053	0.0053	0.0053	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000
	Total	0.0844	0.0844	0.0844	0.0844	0.1334	0.1334	0.1334	0.1334	0.1334	0.1334	0.0000	0.0000
LW	Equipment	0.2096	0.2096	0.0721	0.0721	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2109	0.2109	0.0724	0.0724	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.3952	0.3952	0.3952	0.3952	0.4516	0.5056	0.5056	0.5056	0.5056	0.5056	0.5056	0.3602
	Activity	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0018	0.0018	0.0018	0.0018	0.0021	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0013
	Total	0.3976	0.3976	0.3976	0.3976	0.4543	0.5079	0.5079	0.5079	0.5079	0.5079	0.5079	0.3615
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6839	0.6839	0.5464	0.5464	0.5833	0.6373	0.6373	0.6373	0.6373	0.6373	0.5056	0.3602
TOTALS	Activity	0.0007	0.0007	0.0007	0.0007	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0083	0.0083	0.0073	0.0073	0.0037	0.0039	0.0039	0.0039	0.0039	0.0039	0.0023	0.0013
0.7417	Total	0.693	0.693	0.554	0.554	0.588	0.641	0.641	0.641	0.641	0.641	0.508	0.362
YEARLY TOTALS		7.158											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.3602	0.2032	0.2032	0.2032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3615	0.2039	0.2039	0.2039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3602	0.2032	0.2032	0.2032	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.7417	Total	0.362	0.204	0.204	0.204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.973											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4505	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0295	0.0490	0.0673	0.0673
	Activity	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0430	0.0441	0.0263	0.0263
0.36	Total	0.0000	0.0000	0.0729	0.0729	0.0729	0.0729	0.0729	0.0729	0.0729	0.0935	0.0938	0.0938
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0295	0.0295	0.0295	0.0295	0.0295	0.0392	0.0392	0.0587	0.0769	0.0769
TOTALS	Activity	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0003	0.0003
	Hauling	0.0000	0.0000	0.0430	0.0430	0.0430	0.0430	0.0430	0.0519	0.0519	0.0530	0.0352	0.0352
0.8294	Total	0.000	0.000	0.073	0.073	0.073	0.073	0.073	0.092	0.092	0.112	0.112	0.112
YEARLY TOTALS		0.885											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0092	0.0092	0.0092
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0190	0.0190	0.0190
0.4505	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0284	0.0284	0.0284
MC	Equipment	0.0673	0.0713	0.1271	0.1271	0.1271	0.1076	0.1076	0.1105	0.1076	0.1076	0.1076	0.1076
	Activity	0.0002	0.0003	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	Hauling	0.0263	0.0274	0.1442	0.1442	0.1442	0.1432	0.1432	0.1440	0.1432	0.1432	0.1432	0.1432
0.36	Total	0.0938	0.0990	0.2727	0.2727	0.2727	0.2522	0.2522	0.2559	0.2522	0.2522	0.2522	0.2522
CA	Equipment	0.0097	0.0224	0.0224	0.0224	0.0224	0.0701	0.0701	0.0701	0.0782	0.0080	0.0994	0.0994
	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0020	0.0020
	Hauling	0.0089	0.0011	0.0011	0.0011	0.0011	0.0261	0.0261	0.0261	0.0283	0.0022	0.2152	0.2152
	Total	0.0187	0.0235	0.0235	0.0235	0.0235	0.0965	0.0965	0.0965	0.1068	0.0103	0.3166	0.3166
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0232	0.0232	0.0232
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0040	0.0040	0.0040	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0244	0.0244	0.0244
All Areas	Equipment	0.0769	0.0936	0.1495	0.1495	0.1495	0.1866	0.1866	0.1895	0.1947	0.1481	0.2395	0.2395
TOTALS	Activity	0.0003	0.0003	0.0014	0.0014	0.0014	0.0016	0.0016	0.0016	0.0017	0.0016	0.0036	0.0036
	Hauling	0.0352	0.0286	0.1454	0.1454	0.1454	0.1734	0.1734	0.1742	0.1756	0.1655	0.3785	0.3785
0.8294	Total	0.112	0.122	0.296	0.296	0.296	0.362	0.362	0.365	0.372	0.315	0.622	0.622
YEARLY TOTALS		4.142											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	0.0092	0.0092	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0687	0.0687	0.0687
	Activity	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010
	Hauling	0.0190	0.0190	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.1070	0.1070	0.1070
0.4505	Total	0.0284	0.0284	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.0252	0.1767	0.1767	0.1767
MC	Equipment	0.1076	0.1076	0.1099	0.1099	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421	0.1421
	Activity	0.0014	0.0014	0.0014	0.0014	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Hauling	0.1432	0.1432	0.1435	0.1435	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136	0.2136
0.36	Total	0.2522	0.2522	0.2548	0.2548	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577	0.3577
CA	Equipment	0.0994	0.0994	0.0994	0.0994	0.0994	0.0994	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2152	0.2152	0.2152	0.2152	0.2152	0.2152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3166	0.3166	0.3166	0.3166	0.3166	0.3166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0482	0.0482	0.0958	0.0958	0.0958	0.0958	0.0958	0.0958	0.0958	0.0000	0.0000	0.0000
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Hauling	0.0222	0.0222	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0214	0.0000	0.0000	0.0000
	Total	0.0706	0.0706	0.1174	0.1174	0.1174	0.1174	0.1174	0.1174	0.1174	0.0000	0.0000	0.0000
All Areas	Equipment	0.2644	0.2644	0.3291	0.3291	0.3613	0.3613	0.2619	0.2619	0.2619	0.2108	0.2108	0.2108
TOTALS	Activity	0.0038	0.0038	0.0036	0.0036	0.0043	0.0043	0.0022	0.0022	0.0022	0.0030	0.0030	0.0030
	Hauling	0.3996	0.3996	0.3813	0.3813	0.4513	0.4513	0.2362	0.2362	0.2362	0.3206	0.3206	0.3206
0.8294	Total	0.668	0.668	0.714	0.714	0.817	0.817	0.500	0.500	0.500	0.534	0.534	0.534
YEARLY TOTALS		7.501											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	0.0687	0.0687	0.0507	0.0060	0.0060	0.0997	0.0997	0.0997	0.0997	0.0997	0.0997	0.0997
	Activity	0.0010	0.0010	0.0010	0.0000	0.0000	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
	Hauling	0.1070	0.1070	0.1073	0.0015	0.0015	0.3474	0.3474	0.3474	0.3474	0.3474	0.3474	0.3474
0.4505	Total	0.1767	0.1767	0.1590	0.0075	0.0075	0.4505	0.4505	0.4505	0.4505	0.4505	0.4505	0.4505
MC	Equipment	0.1421	0.1421	0.1421	0.0000	0.0000	0.0429	0.1810	0.1810	0.1810	0.1810	0.1810	0.1810
	Activity	0.0020	0.0020	0.0020	0.0000	0.0000	0.0001	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.2136	0.2136	0.2136	0.0000	0.0000	0.0053	0.1678	0.1678	0.1678	0.1678	0.1678	0.1678
0.36	Total	0.3577	0.3577	0.3577	0.0000	0.0000	0.0483	0.3505	0.3505	0.3505	0.3505	0.3505	0.3505
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0063	0.0063	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0050	0.0050	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0000	0.0000	0.0113	0.0113	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094
All Areas	Equipment	0.2108	0.2108	0.1928	0.0123	0.0123	0.1472	0.2853	0.2853	0.2853	0.2853	0.2853	0.2853
TOTALS	Activity	0.0030	0.0030	0.0030	0.0001	0.0001	0.0034	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
	Hauling	0.3206	0.3206	0.3209	0.0064	0.0064	0.3575	0.5200	0.5200	0.5200	0.5200	0.5200	0.5200
0.8294	Total	0.534	0.534	0.517	0.019	0.019	0.508	0.8103	0.8103	0.8103	0.8103	0.810	0.810
YEARLY TOTALS		6.993											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	0.0997	0.0997	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Activity	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.3474	0.3474	0.0000	0.0000	0.0000	0.0000	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189
0.4505	Total	0.4505	0.4505	0.0000	0.0000	0.0000	0.0000	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
MC	Equipment	0.1810	0.1810	0.1810	0.1810	0.0395	0.0395	0.0592	0.0592	0.0592	0.0592	0.0592	0.0592
	Activity	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1678	0.1678	0.1678	0.1678	0.0048	0.0048	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
0.36	Total	0.3505	0.3505	0.3505	0.3505	0.0444	0.0444	0.0658	0.0658	0.0658	0.0658	0.0658	0.0658
CA	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183	0.0183
	Total	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
CE	Equipment	0.0053	0.0053	0.0053	0.0123	0.0123	0.0127	0.0106	0.0106	0.0053	0.0053	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0293	0.0293	0.0008	0.0006	0.0006	0.0002	0.0002	0.0000	0.0000
	Total	0.0058	0.0058	0.0058	0.0419	0.0419	0.0135	0.0113	0.0113	0.0055	0.0055	0.0000	0.0000
All Areas	Equipment	0.2904	0.2904	0.1907	0.1976	0.0561	0.0565	0.0786	0.0786	0.0733	0.0733	0.0680	0.0680
TOTALS	Activity	0.0051	0.0051	0.0018	0.0020	0.0005	0.0002	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.5339	0.5339	0.1865	0.2154	0.0524	0.0239	0.0444	0.0444	0.0439	0.0439	0.0437	0.0437
0.8294	Total	0.829	0.829	0.379	0.415	0.109	0.081	0.123	0.1234	0.1177	0.118	0.112	0.112
YEARLY TOTALS		3.349											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0298
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0010
	Hauling	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0995
0.4505	Total	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.1302
MC	Equipment	0.0592	0.0592	0.0592	0.0592	0.0592	0.0196	0.0196	0.0241	0.0241	0.0241	0.0241	0.0241
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0018	0.0018	0.0203	0.0203	0.0203	0.0203	0.0203
0.36	Total	0.0658	0.0658	0.0658	0.0658	0.0658	0.0214	0.0214	0.0445	0.0445	0.0445	0.0445	0.0445
CA	Equipment	0.0043	0.0043	0.0293	0.0293	0.0293	0.0293	0.0293	0.0293	0.0521	0.0521	0.0325	0.0325
	Activity	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0183	0.0183	0.1070	0.1070	0.1070	0.1070	0.1070	0.1070	0.0047	0.0047	0.0029	0.0029
	Total	0.0227	0.0227	0.1373	0.1373	0.1373	0.1373	0.1373	0.1373	0.0568	0.0568	0.0354	0.0354
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0680	0.0680	0.0929	0.0929	0.0929	0.0534	0.0534	0.0579	0.0807	0.0807	0.0611	0.0863
TOTALS	Activity	0.0004	0.0004	0.0013	0.0013	0.0013	0.0012	0.0012	0.0014	0.0004	0.0004	0.0004	0.0012
	Hauling	0.0437	0.0437	0.1325	0.1325	0.1325	0.1276	0.1276	0.1461	0.0438	0.0438	0.0421	0.1227
0.8294	Total	0.112	0.112	0.227	0.227	0.227	0.182	0.182	0.205	0.125	0.125	0.104	0.210
YEARLY TOTALS		2.038											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	0.0298	0.0298	0.0298	0.0298	0.0298	0.0298	0.0298	0.0298	0.0520	0.0520	0.0324	0.0324
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0995	0.0995	0.0995	0.0995	0.0995	0.0995	0.0995	0.0995	0.0046	0.0046	0.0029	0.0029
0.4505	Total	0.1302	0.1302	0.1302	0.1302	0.1302	0.1302	0.1302	0.1302	0.0566	0.0566	0.0353	0.0353
MC	Equipment	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0502
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0013
	Hauling	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0040
0.36	Total	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0445	0.0555
CA	Equipment	0.0325	0.0325	0.0118	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0354	0.0354	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0863	0.0863	0.0656	0.0656	0.0538	0.0538	0.0538	0.0538	0.0761	0.0761	0.0774	0.1035
TOTALS	Activity	0.0012	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0002	0.0002	0.0004	0.0015
	Hauling	0.1227	0.1227	0.1204	0.1204	0.1198	0.1198	0.1198	0.1198	0.0248	0.0248	0.0440	0.0278
0.8294	Total	0.210	0.210	0.187	0.187	0.175	0.175	0.175	0.175	0.101	0.101	0.122	0.133
YEARLY TOTALS		1.951											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	0.0324	0.0324	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4505	Total	0.0353	0.0353	0.0123	0.0123	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0502	0.0502	0.0502	0.0502	0.0600	0.0670	0.0670	0.0670	0.0670	0.0670	0.0670	0.0452
	Activity	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0040	0.0040	0.0040	0.0040	0.0049	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0030
0.36	Total	0.0555	0.0555	0.0555	0.0555	0.0662	0.0724	0.0724	0.0724	0.0724	0.0724	0.0724	0.0482
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1035	0.1035	0.0828	0.0828	0.0957	0.1028	0.1028	0.1028	0.1028	0.1028	0.0670	0.0452
TOTALS	Activity	0.0015	0.0015	0.0015	0.0015	0.0013	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0278	0.0278	0.0255	0.0255	0.0104	0.0108	0.0108	0.0108	0.0108	0.0108	0.0053	0.0030
0.8294	Total	0.133	0.133	0.110	0.110	0.107	0.114	0.114	0.114	0.114	0.114	0.072	0.048
YEARLY TOTALS		1.282											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4505	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0452	0.0196	0.0196	0.0196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.36	Total	0.0482	0.0214	0.0214	0.0214	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0452	0.0196	0.0196	0.0196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0018	0.0018	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.8294	Total	0.048	0.021	0.021	0.021	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.112											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1327	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0013	0.0024	0.0024
	Activity	0.0000	0.0000	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0329	0.0524	0.0401	0.0401
	Hauling	0.0000	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0108	0.0068	0.0068
	Total	0.0000	0.0000	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0438	0.0645	0.0493	0.0493
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0128	0.0128	0.0128
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0011	0.0011	0.0016	0.0027	0.0027
TOTALS	Activity	0.0000	0.0000	0.0329	0.0329	0.0329	0.0329	0.0329	0.0434	0.0434	0.0628	0.0505	0.0505
	Hauling	0.0000	0.0000	0.0100	0.0100	0.0100	0.0100	0.0100	0.0121	0.0121	0.0129	0.0089	0.0089
0.2597	Total	0.000	0.000	0.044	0.044	0.044	0.044	0.044	0.057	0.057	0.077	0.062	0.062
YEARLY TOTALS		0.533											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0107	0.0107	0.0107
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045
0.1327	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0154	0.0154	0.0154
MC	Equipment	0.0024	0.0025	0.0037	0.0037	0.0037	0.0031	0.0031	0.0033	0.0031	0.0031	0.0031	0.0031
	Activity	0.0401	0.0401	0.0678	0.0678	0.0678	0.0483	0.0483	0.0483	0.0483	0.0483	0.0483	0.0483
	Hauling	0.0068	0.0077	0.0344	0.0344	0.0344	0.0336	0.0336	0.0343	0.0336	0.0336	0.0336	0.0336
	Total	0.0493	0.0503	0.1058	0.1058	0.1058	0.0851	0.0851	0.0859	0.0851	0.0851	0.0851	0.0851
CA	Equipment	0.0003	0.0006	0.0006	0.0006	0.0006	0.0025	0.0025	0.0025	0.0028	0.0003	0.0029	0.0029
	Activity	0.0105	0.0223	0.0223	0.0223	0.0223	0.0429	0.0429	0.0429	0.0429	0.0000	0.0454	0.0454
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0009	0.0069	0.0069	0.0069	0.0086	0.0017	0.0506	0.0506
	Total	0.0128	0.0238	0.0238	0.0238	0.0238	0.0523	0.0523	0.0523	0.0544	0.0020	0.0989	0.0989
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0093	0.0093	0.0093	0.0093	0.0216	0.0216	0.0216
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0231	0.0231	0.0231
All Areas	Equipment	0.0027	0.0031	0.0042	0.0042	0.0042	0.0059	0.0059	0.0060	0.0062	0.0043	0.0069	0.0069
TOTALS	Activity	0.0505	0.0624	0.0901	0.0901	0.0901	0.1006	0.1006	0.1006	0.1006	0.0806	0.1260	0.1260
	Hauling	0.0089	0.0086	0.0353	0.0353	0.0353	0.0415	0.0415	0.0422	0.0432	0.0408	0.0896	0.0896
0.2597	Total	0.062	0.074	0.130	0.130	0.130	0.148	0.148	0.149	0.150	0.126	0.223	0.223
YEARLY TOTALS		1.690											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	0.0003	0.0003	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024
	Activity	0.0107	0.0107	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0481	0.0481	0.0481
	Hauling	0.0045	0.0045	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0266	0.0266	0.0266
0.1327	Total	0.0154	0.0154	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0772	0.0772	0.0772
MC	Equipment	0.0031	0.0031	0.0032	0.0032	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
	Activity	0.0483	0.0483	0.0483	0.0483	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155	0.0155
	Hauling	0.0336	0.0336	0.0339	0.0339	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
	Total	0.0851	0.0851	0.0855	0.0855	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721	0.0721
CA	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0454	0.0454	0.0454	0.0454	0.0454	0.0454	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0506	0.0506	0.0506	0.0506	0.0506	0.0506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0989	0.0989	0.0989	0.0989	0.0989	0.0989	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0016	0.0016	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000	0.0000
	Activity	0.0306	0.0306	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0419	0.0000	0.0000	0.0000
	Hauling	0.0060	0.0060	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0000	0.0000	0.0000
	Total	0.0382	0.0382	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0000	0.0000	0.0000
All Areas	Equipment	0.0079	0.0079	0.0096	0.0096	0.0098	0.0098	0.0068	0.0068	0.0068	0.0058	0.0058	0.0058
TOTALS	Activity	0.1350	0.1350	0.1596	0.1596	0.1268	0.1268	0.0814	0.0814	0.0814	0.0636	0.0636	0.0636
	Hauling	0.0946	0.0946	0.0905	0.0905	0.1098	0.1098	0.0592	0.0592	0.0592	0.0798	0.0798	0.0798
0.2597	Total	0.238	0.238	0.260	0.260	0.246	0.246	0.147	0.147	0.147	0.149	0.149	0.149
YEARLY TOTALS		2.377											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	0.0024	0.0024	0.0020	0.0002	0.0002	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029
	Activity	0.0481	0.0481	0.0242	0.0000	0.0000	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469	0.0469
	Hauling	0.0266	0.0266	0.0270	0.0013	0.0013	0.0829	0.0829	0.0829	0.0829	0.0829	0.0829	0.0829
0.1327	Total	0.0772	0.0772	0.0531	0.0015	0.0015	0.1327	0.1327	0.1327	0.1327	0.1327	0.1327	0.1327
MC	Equipment	0.0034	0.0034	0.0034	0.0000	0.0000	0.0016	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Activity	0.0155	0.0155	0.0155	0.0000	0.0000	0.0268	0.0417	0.0417	0.0417	0.0417	0.0417	0.0417
	Hauling	0.0532	0.0532	0.0532	0.0000	0.0000	0.0016	0.0427	0.0427	0.0427	0.0427	0.0427	0.0427
	Total	0.0721	0.0721	0.0721	0.0000	0.0000	0.0299	0.0892	0.0892	0.0892	0.0892	0.0892	0.0892
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0013	0.0013	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0000	0.0000	0.0000	0.0015	0.0015	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
All Areas	Equipment	0.0058	0.0058	0.0054	0.0005	0.0005	0.0047	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
TOTALS	Activity	0.0636	0.0636	0.0397	0.0000	0.0000	0.0737	0.0886	0.0886	0.0886	0.0886	0.0886	0.0886
	Hauling	0.0798	0.0798	0.0802	0.0026	0.0026	0.0856	0.1267	0.1267	0.1267	0.1267	0.1267	0.1267
0.2597	Total	0.149	0.149	0.125	0.003	0.003	0.1640	0.2233	0.2233	0.2233	0.223	0.223	0.223
YEARLY TOTALS		1.934											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0469	0.0469	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0829	0.0829	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
0.1327	Total	0.1327	0.1327	0.0000	0.0000	0.0000	0.0000	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047
MC	Equipment	0.0048	0.0048	0.0048	0.0048	0.0014	0.0014	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Activity	0.0417	0.0417	0.0417	0.0417	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268	0.0268
	Hauling	0.0427	0.0427	0.0427	0.0427	0.0012	0.0012	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0892	0.0892	0.0892	0.0892	0.0294	0.0294	0.0318	0.0318	0.0318	0.0318	0.0318	0.0318
CA	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
CE	Equipment	0.0003	0.0003	0.0003	0.0006	0.0006	0.0005	0.0006	0.0006	0.0003	0.0003	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0170	0.0170	0.0000	0.0048	0.0048	0.0048	0.0048	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0073	0.0073	0.0007	0.0006	0.0006	0.0002	0.0002	0.0000	0.0000
	Total	0.0007	0.0007	0.0007	0.0249	0.0249	0.0012	0.0060	0.0060	0.0053	0.0053	0.0000	0.0000
All Areas	Equipment	0.0082	0.0082	0.0053	0.0056	0.0022	0.0021	0.0031	0.0031	0.0028	0.0028	0.0025	0.0025
TOTALS	Activity	0.0887	0.0887	0.0417	0.0587	0.0438	0.0268	0.0316	0.0316	0.0316	0.0316	0.0268	0.0268
	Hauling	0.1303	0.1303	0.0474	0.0544	0.0128	0.0063	0.0123	0.0123	0.0119	0.0119	0.0117	0.0117
0.2597	Total	0.227	0.227	0.094	0.119	0.059	0.035	0.0470	0.0470	0.046	0.046	0.041	0.041
YEARLY TOTALS		1.030											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0016
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0226
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0257
0.1327	Total	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0047	0.0498
MC	Equipment	0.0022	0.0022	0.0022	0.0022	0.0022	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0268	0.0268	0.0268	0.0268	0.0268	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0017	0.0017	0.0061	0.0061	0.0061	0.0061	0.0061
	Total	0.0318	0.0318	0.0318	0.0318	0.0318	0.0024	0.0024	0.0071	0.0071	0.0071	0.0071	0.0071
CA	Equipment	0.0002	0.0002	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0024	0.0024	0.0019	0.0019
	Activity	0.0000	0.0000	0.0215	0.0215	0.0215	0.0215	0.0215	0.0215	0.0107	0.0107	0.0107	0.0107
	Hauling	0.0044	0.0044	0.0275	0.0275	0.0275	0.0275	0.0275	0.0275	0.0046	0.0046	0.0028	0.0028
	Total	0.0045	0.0045	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0177	0.0177	0.0154	0.0154
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0039	0.0039	0.0039	0.0025	0.0025	0.0027	0.0035	0.0035	0.0030	0.0044
TOTALS	Activity	0.0268	0.0268	0.0482	0.0482	0.0482	0.0215	0.0215	0.0215	0.0107	0.0107	0.0107	0.0332
	Hauling	0.0117	0.0117	0.0348	0.0348	0.0348	0.0336	0.0336	0.0381	0.0152	0.0152	0.0135	0.0346
0.2597	Total	0.041	0.041	0.087	0.087	0.087	0.058	0.058	0.062	0.029	0.029	0.027	0.072
YEARLY TOTALS		0.679											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0024	0.0024	0.0019	0.0019
	Activity	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0106	0.0106	0.0106	0.0106
	Hauling	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0046	0.0046	0.0028	0.0028
0.1327	Total	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0498	0.0176	0.0176	0.0153	0.0153
MC	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0218
	Hauling	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0040
	Total	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0282
CA	Equipment	0.0019	0.0019	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0107	0.0107	0.0107	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0154	0.0154	0.0119	0.0119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0044	0.0044	0.0032	0.0032	0.0025	0.0025	0.0025	0.0025	0.0033	0.0033	0.0034	0.0048
TOTALS	Activity	0.0332	0.0332	0.0332	0.0332	0.0226	0.0226	0.0226	0.0226	0.0106	0.0106	0.0313	0.0531
	Hauling	0.0346	0.0346	0.0324	0.0324	0.0318	0.0318	0.0318	0.0318	0.0107	0.0107	0.0140	0.0119
0.2597	Total	0.072	0.072	0.069	0.069	0.057	0.057	0.057	0.057	0.025	0.025	0.049	0.070
YEARLY TOTALS		0.677											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	0.0019	0.0019	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0106	0.0106	0.0106	0.0106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1327	Total	0.0153	0.0153	0.0119	0.0119	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0024	0.0024	0.0024	0.0024	0.0027	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0022
	Activity	0.0218	0.0218	0.0218	0.0218	0.0218	0.0231	0.0231	0.0231	0.0231	0.0231	0.0231	0.0230
	Hauling	0.0040	0.0040	0.0040	0.0040	0.0048	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0030
	Total	0.0282	0.0282	0.0282	0.0282	0.0293	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0282
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0048	0.0048	0.0036	0.0036	0.0032	0.0041	0.0041	0.0041	0.0041	0.0041	0.0035	0.0022
TOTALS	Activity	0.0531	0.0531	0.0531	0.0531	0.0415	0.0427	0.0427	0.0427	0.0427	0.0427	0.0231	0.0230
	Hauling	0.0119	0.0119	0.0097	0.0097	0.0073	0.0078	0.0078	0.0078	0.0078	0.0078	0.0053	0.0030
0.2597	Total	0.070	0.070	0.066	0.066	0.052	0.055	0.055	0.055	0.055	0.055	0.032	0.028
YEARLY TOTALS		0.657											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1327	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0022	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0282	0.0024	0.0024	0.0024	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0022	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0030	0.0017	0.0017	0.0017	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.2597	Total	0.028	0.002	0.002	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.035											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0412	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0013	0.0023	0.0023
0.0024	Activity	0.0000	0.0000	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0233	0.0348	0.0233	0.0233
	Hauling	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0016	0.0010	0.0010
	Total	0.0000	0.0000	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0376	0.0266	0.0266
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	0.0076	0.0076	0.0076	0.0076
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0010	0.0010	0.0015	0.0026	0.0026
TOTALS	Activity	0.0000	0.0000	0.0233	0.0233	0.0233	0.0233	0.0233	0.0309	0.0309	0.0424	0.0309	0.0309
	Hauling	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0018	0.0018	0.0019	0.0013	0.0013
0.1149	Total	0.000	0.000	0.026	0.026	0.026	0.026	0.026	0.034	0.034	0.046	0.035	0.035
YEARLY TOTALS		0.311											

$PM_{2.5}$ TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0074	0.0074
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007
0.0412	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0083	0.0083	0.0083
MC	Equipment	0.0023	0.0024	0.0034	0.0034	0.0034	0.0029	0.0029	0.0030	0.0029	0.0029	0.0029	0.0029
0.0024	Activity	0.0233	0.0233	0.0394	0.0394	0.0394	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279	0.0279
	Hauling	0.0010	0.0011	0.0051	0.0051	0.0051	0.0050	0.0050	0.0051	0.0050	0.0050	0.0050	0.0050
	Total	0.0266	0.0268	0.0478	0.0478	0.0478	0.0358	0.0358	0.0360	0.0358	0.0358	0.0358	0.0358
CA	Equipment	0.0003	0.0005	0.0005	0.0005	0.0005	0.0024	0.0024	0.0024	0.0026	0.0003	0.0027	0.0027
0.0007	Activity	0.0076	0.0132	0.0132	0.0132	0.0132	0.0250	0.0250	0.0250	0.0250	0.0000	0.0259	0.0259
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0012	0.0002	0.0075	0.0075
	Total	0.0082	0.0138	0.0138	0.0138	0.0138	0.0284	0.0284	0.0284	0.0288	0.0005	0.0361	0.0361
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0006	0.0006	0.0006
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0069	0.0069	0.0069	0.0069	0.0163	0.0163	0.0163
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0073	0.0073	0.0073	0.0073	0.0170	0.0170	0.0170
All Areas	Equipment	0.0026	0.0030	0.0039	0.0039	0.0039	0.0055	0.0055	0.0056	0.0058	0.0040	0.0064	0.0064
TOTALS	Activity	0.0309	0.0365	0.0525	0.0525	0.0525	0.0598	0.0598	0.0598	0.0598	0.0516	0.0775	0.0775
	Hauling	0.0013	0.0012	0.0052	0.0052	0.0052	0.0061	0.0061	0.0062	0.0063	0.0060	0.0133	0.0133
0.1149	Total	0.035	0.041	0.062	0.062	0.062	0.071	0.071	0.072	0.072	0.062	0.097	0.097
YEARLY TOTALS		0.803											

$PM_{2.5}$ TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0023	0.0023	0.0023
0.0008	Activity	0.0074	0.0074	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0271	0.0271	0.0271
	Hauling	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0039	0.0039	0.0039
0.0412	Total	0.0083	0.0083	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0148	0.0333	0.0333	0.0333
MC	Equipment	0.0029	0.0029	0.0030	0.0030	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
0.0024	Activity	0.0279	0.0279	0.0279	0.0279	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082
	Hauling	0.0050	0.0050	0.0050	0.0050	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078	0.0078
	Total	0.0358	0.0358	0.0359	0.0359	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191
CA	Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0259	0.0259	0.0259	0.0259	0.0259	0.0259	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0075	0.0075	0.0075	0.0075	0.0075	0.0075	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0361	0.0361	0.0361	0.0361	0.0361	0.0361	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0015	0.0015	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0000	0.0000	0.0000
0.0003	Activity	0.0214	0.0214	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000
	Total	0.0238	0.0238	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0000	0.0000	0.0000
All Areas	Equipment	0.0074	0.0074	0.0089	0.0089	0.0090	0.0090	0.0063	0.0063	0.0063	0.0054	0.0054	0.0054
TOTALS	Activity	0.0825	0.0825	0.0926	0.0926	0.0729	0.0729	0.0470	0.0470	0.0470	0.0354	0.0354	0.0354
	Hauling	0.0141	0.0141	0.0134	0.0134	0.0161	0.0161	0.0086	0.0086	0.0086	0.0116	0.0116	0.0116
0.1149	Total	0.104	0.104	0.115	0.115	0.098	0.098	0.062	0.062	0.062	0.052	0.052	0.052
YEARLY TOTALS		0.977											

$PM_{2.5}$ TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	0.0023	0.0023	0.0019	0.0002	0.0002	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027
0.0008	Activity	0.0271	0.0271	0.0130	0.0000	0.0000	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
	Hauling	0.0039	0.0039	0.0039	0.0001	0.0001	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123	0.0123
0.0412	Total	0.0333	0.0333	0.0188	0.0003	0.0003	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412	0.0412
MC	Equipment	0.0031	0.0031	0.0031	0.0000	0.0000	0.0015	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
0.0024	Activity	0.0082	0.0082	0.0082	0.0000	0.0000	0.0158	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239
	Hauling	0.0078	0.0078	0.0078	0.0000	0.0000	0.0002	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Total	0.0191	0.0191	0.0191	0.0000	0.0000	0.0175	0.0345	0.0345	0.0345	0.0345	0.0345	0.0345
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas	Equipment	0.0054	0.0054	0.0050	0.0004	0.0004	0.0044	0.0073	0.0073	0.0073	0.0073	0.0073	0.0073
TOTALS	Activity	0.0354	0.0354	0.0212	0.0000	0.0000	0.0420	0.0501	0.0501	0.0501	0.0501	0.0501	0.0501
	Hauling	0.0116	0.0116	0.0117	0.0003	0.0003	0.0127	0.0187	0.0187	0.0187	0.0187	0.0187	0.0187
0.1149	Total	0.052	0.052	0.038	0.001	0.001	0.059	0.076	0.076	0.0761	0.0761	0.076	0.076
YEARLY TOTALS		0.660											

$PM_{2.5}$ TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0008	Activity	0.0262	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0123	0.0123	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
0.0412	Total	0.0412	0.0412	0.0000	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
MC	Equipment	0.0044	0.0044	0.0044	0.0044	0.0014	0.0014	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
0.0024	Activity	0.0239	0.0239	0.0239	0.0239	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158
	Hauling	0.0062	0.0062	0.0062	0.0062	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0345	0.0345	0.0345	0.0345	0.0173	0.0173	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182
CA	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
CE	Equipment	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0006	0.0006	0.0003	0.0003	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0099	0.0099	0.0000	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0011	0.0011	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0003	0.0003	0.0115	0.0115	0.0005	0.0035	0.0035	0.0031	0.0031	0.0000	0.0000
All Areas	Equipment	0.0076	0.0076	0.0049	0.0051	0.0021	0.0020	0.0030	0.0030	0.0027	0.0027	0.0025	0.0025
TOTALS	Activity	0.0501	0.0501	0.0239	0.0339	0.0257	0.0158	0.0186	0.0186	0.0186	0.0186	0.0158	0.0158
	Hauling	0.0192	0.0192	0.0069	0.0079	0.0019	0.0009	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
0.1149	Total	0.077	0.077	0.036	0.047	0.030	0.019	0.023	0.0234	0.0230	0.023	0.020	0.020
YEARLY TOTALS		0.417											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0037
0.0412	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0182
MC	Equipment	0.0021	0.0021	0.0021	0.0021	0.0021	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0009
0.0024	Activity	0.0158	0.0158	0.0158	0.0158	0.0158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0182	0.0182	0.0182	0.0182	0.0182	0.0009	0.0009	0.0018	0.0018	0.0018	0.0018	0.0018
CA	Equipment	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0023	0.0023	0.0018	0.0018
0.0007	Activity	0.0000	0.0000	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0063	0.0063	0.0063	0.0063
	Hauling	0.0006	0.0006	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0005	0.0005	0.0003	0.0003
	Total	0.0008	0.0008	0.0178	0.0178	0.0178	0.0178	0.0178	0.0178	0.0090	0.0090	0.0083	0.0083
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0038	0.0038	0.0038	0.0024	0.0024	0.0026	0.0034	0.0034	0.0029	0.0042
TOTALS	Activity	0.0158	0.0158	0.0282	0.0282	0.0282	0.0124	0.0124	0.0124	0.0063	0.0063	0.0063	0.0193
	Hauling	0.0017	0.0017	0.0050	0.0050	0.0050	0.0048	0.0048	0.0055	0.0020	0.0020	0.0018	0.0048
0.1149	Total	0.020	0.020	0.037	0.037	0.037	0.020	0.020	0.0204	0.0116	0.012	0.011	0.028
YEARLY TOTALS		0.273											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0023	0.0023	0.0018	0.0018
0.0008	Activity	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131	0.0062	0.0062	0.0062	0.0062
	Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0005	0.0005	0.0003	0.0003
0.0412	Total	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0182	0.0090	0.0090	0.0083	0.0083
MC	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0023
0.0024	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125
	Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0004
	Total	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0152
CA	Equipment	0.0018	0.0018	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0063	0.0063	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0083	0.0083	0.0070	0.0070	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0042	0.0042	0.0030	0.0030	0.0024	0.0024	0.0024	0.0024	0.0032	0.0032	0.0032	0.0046
TOTALS	Activity	0.0193	0.0193	0.0193	0.0193	0.0131	0.0131	0.0131	0.0131	0.0062	0.0062	0.0211	0.0336
	Hauling	0.0048	0.0048	0.0046	0.0046	0.0045	0.0045	0.0045	0.0045	0.0013	0.0013	0.0019	0.0014
0.1149	Total	0.028	0.028	0.027	0.027	0.020	0.020	0.020	0.020	0.011	0.011	0.026	0.040
YEARLY TOTALS		0.278											

$PM_{2.5}$ TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	0.0018	0.0018	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0412	Total	0.0083	0.0083	0.0069	0.0069	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0023	0.0023	0.0023	0.0023	0.0025	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0021
0.0024	Activity	0.0125	0.0125	0.0125	0.0125	0.0125	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136	0.0136
	Hauling	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0003
	Total	0.0152	0.0152	0.0152	0.0152	0.0155	0.0174	0.0174	0.0174	0.0174	0.0174	0.0174	0.0160
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0046	0.0046	0.0034	0.0034	0.0031	0.0039	0.0039	0.0039	0.0039	0.0039	0.0033	0.0021
TOTALS	Activity	0.0336	0.0336	0.0336	0.0336	0.0272	0.0283	0.0283	0.0283	0.0283	0.0283	0.0136	0.0136
	Hauling	0.0014	0.0014	0.0012	0.0012	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0005	0.0003
0.1149	Total	0.040	0.040	0.038	0.038	0.031	0.033	0.033	0.033	0.033	0.033	0.017	0.016
YEARLY TOTALS		0.385											

$PM_{2.5}$ TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0008	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0412	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0021	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0024	Activity	0.0136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0160	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0003	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0021	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1149	Total	0.016	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.019											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0124	0.0172	0.0172
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0014	0.0009	0.0009
	Total	0.0000	0.0000	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0085	0.0139	0.0181	0.0181
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0095	0.0095	0.0148	0.0196	0.0196
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0016	0.0016	0.0017	0.0011	0.0011
	Total	0.000	0.000	0.009	0.009	0.009	0.009	0.009	0.011	0.011	0.016	0.021	0.021
YEARLY TOTALS		0.123											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0028	0.0028
MC	Equipment	0.0172	0.0180	0.0119	0.0119	0.0119	0.0066	0.0066	0.0071	0.0066	0.0066	0.0066	0.0066
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0009	0.0009	0.0044	0.0044	0.0044	0.0043	0.0043	0.0044	0.0043	0.0043	0.0043	0.0043
	Total	0.0181	0.0189	0.0163	0.0163	0.0163	0.0110	0.0110	0.0116	0.0110	0.0110	0.0110	0.0110
CA	Equipment	0.0023	0.0061	0.0061	0.0061	0.0061	0.0180	0.0180	0.0180	0.0195	0.0015	0.0061	0.0061
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0010	0.0001	0.0065	0.0065
	Total	0.0026	0.0061	0.0061	0.0061	0.0061	0.0189	0.0189	0.0189	0.0205	0.0016	0.0127	0.0127
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0063	0.0063	0.0063
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0064	0.0064	0.0064
All Areas	Equipment	0.0196	0.0240	0.0179	0.0179	0.0179	0.0267	0.0267	0.0273	0.0282	0.0166	0.0212	0.0212
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002
	Hauling	0.0011	0.0010	0.0045	0.0045	0.0045	0.0053	0.0053	0.0054	0.0054	0.0051	0.0115	0.0115
	Total	0.021	0.025	0.022	0.022	0.022	0.032	0.032	0.033	0.034	0.022	0.033	0.033
YEARLY TOTALS		0.332											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	0.0022	0.0022	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0180	0.0180	0.0180
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0006	0.0006	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0032	0.0032	0.0032
	Total	0.0028	0.0028	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0213	0.0213	0.0213
MC	Equipment	0.0066	0.0066	0.0070	0.0070	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0043	0.0043	0.0044	0.0044	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
	Total	0.0110	0.0110	0.0114	0.0114	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
CA	Equipment	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0127	0.0127	0.0127	0.0127	0.0127	0.0127	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0125	0.0125	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Total	0.0133	0.0133	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000	0.0000
All Areas	Equipment	0.0274	0.0274	0.0254	0.0254	0.0256	0.0256	0.0195	0.0195	0.0195	0.0252	0.0252	0.0252
TOTALS	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002
	Hauling	0.0122	0.0122	0.0116	0.0116	0.0137	0.0137	0.0071	0.0071	0.0071	0.0097	0.0097	0.0097
	Total	0.040	0.040	0.037	0.037	0.040	0.040	0.027	0.027	0.027	0.035	0.035	0.035
YEARLY TOTALS		0.419											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	0.0180	0.0180	0.0126	0.0011	0.0011	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0032	0.0032	0.0032	0.0001	0.0001	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100	0.0100
	Total	0.0213	0.0213	0.0159	0.0012	0.0012	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162	0.0162
MC	Equipment	0.0072	0.0072	0.0072	0.0000	0.0000	0.0031	0.0096	0.0096	0.0096	0.0096	0.0096	0.0096
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0064	0.0064	0.0064	0.0000	0.0000	0.0002	0.0049	0.0049	0.0049	0.0049	0.0049	0.0049
	Total	0.0137	0.0137	0.0137	0.0000	0.0000	0.0032	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0014	0.0014	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
All Areas	Equipment	0.0252	0.0252	0.0198	0.0023	0.0023	0.0100	0.0165	0.0165	0.0165	0.0165	0.0165	0.0165
TOTALS	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0097	0.0097	0.0097	0.0002	0.0002	0.0103	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151
	Total	0.035	0.035	0.030	0.003	0.003	0.020	0.032	0.032	0.032	0.032	0.032	0.032
YEARLY TOTALS		0.316											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	0.0061	0.0061	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0100	0.0100	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0162	0.0162	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
MC	Equipment	0.0096	0.0096	0.0096	0.0096	0.0024	0.0024	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0049	0.0049	0.0049	0.0049	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0146	0.0146	0.0146	0.0146	0.0026	0.0026	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064
CA	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
CE	Equipment	0.0031	0.0031	0.0031	0.0044	0.0044	0.0049	0.0060	0.0060	0.0028	0.0028	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0032	0.0032	0.0032	0.0052	0.0052	0.0049	0.0060	0.0060	0.0029	0.0029	0.0000	0.0000
All Areas	Equipment	0.0196	0.0196	0.0135	0.0148	0.0076	0.0081	0.0139	0.0139	0.0107	0.0107	0.0079	0.0079
TOTALS	Activity	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0155	0.0155	0.0055	0.0063	0.0015	0.0007	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Total	0.035	0.035	0.019	0.021	0.009	0.009	0.015	0.015	0.012	0.012	0.009	0.009
YEARLY TOTALS		0.202											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0151
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0028
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0180
MC	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0038	0.0038	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0064	0.0064	0.0064	0.0064	0.0064	0.0039	0.0039	0.0053	0.0053	0.0053	0.0053	0.0053
CA	Equipment	0.0008	0.0008	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0245	0.0245	0.0198	0.0198
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0003	0.0003	0.0002	0.0002
	Total	0.0014	0.0014	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0248	0.0248	0.0200	0.0200
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0079	0.0079	0.0221	0.0221	0.0221	0.0197	0.0197	0.0206	0.0300	0.0300	0.0253	0.0396
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0013	0.0013	0.0038	0.0038	0.0038	0.0036	0.0036	0.0041	0.0014	0.0014	0.0013	0.0036
	Total	0.009	0.009	0.026	0.026	0.026	0.023	0.023	0.025	0.031	0.031	0.027	0.043
YEARLY TOTALS		0.301											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0151	0.0244	0.0244	0.0198	0.0198
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0003	0.0003	0.0002	0.0002
	Total	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0180	0.0247	0.0247	0.0200	0.0200
MC	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0196
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0003
	Total	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0053	0.0199
CA	Equipment	0.0198	0.0198	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0200	0.0200	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0396	0.0396	0.0261	0.0261	0.0198	0.0198	0.0198	0.0198	0.0291	0.0291	0.0301	0.0451
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0001
	Hauling	0.0036	0.0036	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0009	0.0009	0.0013	0.0010
	Total	0.043	0.043	0.030	0.030	0.023	0.023	0.023	0.023	0.030	0.030	0.031	0.046
YEARLY TOTALS		0.376											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	0.0198	0.0198	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0200	0.0200	0.0063	0.0063	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0196	0.0196	0.0196	0.0196	0.0220	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0174
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002
	Total	0.0199	0.0199	0.0199	0.0199	0.0223	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0176
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0451	0.0451	0.0315	0.0315	0.0264	0.0361	0.0361	0.0361	0.0361	0.0361	0.0317	0.0174
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0010	0.0010	0.0008	0.0008	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0003	0.0002
	Total	0.046	0.046	0.032	0.032	0.027	0.037	0.037	0.037	0.037	0.037	0.032	0.018
YEARLY TOTALS		0.417											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0174	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0176	0.0039	0.0039	0.0039	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0174	0.0038	0.0038	0.0038	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.018	0.004	0.004	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.029											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
MC	Equipment	-	-	53	53	53	53	53	53	53	80	168	168
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	31	31	31	31	31	31	31	34	22	22
	Total	-	-	84	84	84	84	84	84	84	114	190	190
CA	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	52.8337	52.8337	52.8337	52.8337	52.8337	70.1413	70.1413	97.6317	185.3478	185.3478
TOTALS	Activity	0.0000	0.0000	0.1015	0.1015	0.1015	0.1015	0.1015	0.1225	0.1225	0.1332	0.0935	0.0935
	Hauling	-	-	31	31	31	31	31	37	37	40	28	28
	Total	-	-	84	84	84	84	84	107	107	138	213	213
YEARLY TOTALS		1196.897											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	-	-	-	-	-	-	-	-	-	17	17	17
	Activity	-	-	-	-	-	-	-	-	-	0	0	0
	Hauling	-	-	-	-	-	-	-	-	-	13	13	13
	Total	-	-	-	-	-	-	-	-	-	30	30	30
MC	Equipment	168	184	105	105	105	78	78	96	78	78	78	78
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	22	25	105	105	105	102	102	104	102	102	102	102
	Total	190	209	211	211	211	180	180	201	180	180	180	180
CA	Equipment	17	32	32	32	32	172	172	172	204	32	72	72
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	3	22	22	22	29	7	153	153
	Total	24	35	35	35	35	194	194	194	233	39	225	225
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	15.8501	15.8501	15.8501	15.8501	32.7771	32.7771	32.7771
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095	0.0095	0.0095	0.0095	0.0123	0.0123	0.0123
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	2.8687	2.8687	2.8687	2.8687	3.5810	3.5810	3.5810
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	18.7283	18.7283	18.7283	18.7283	36.3704	36.3704	36.3704
All Areas	Equipment	185.3478	215.5164	136.8049	136.8049	136.8049	265.7142	265.7142	283.9398	297.5794	158.9616	198.9230	198.9230
TOTALS	Activity	0.0935	0.0959	0.3602	0.3602	0.3602	0.4200	0.4200	0.4289	0.4432	0.4178	0.9021	0.9021
	Hauling	28	29	108	108	108	127	127	129	133	126	272	272
	Total	213	244	246	246	246	393	393	413	431	285	472	472
YEARLY TOTALS		4052.740											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	17	17	34	34	34	34	34	34	34	215	215	215
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	4	4	4	4	4	4	4	81	81	81
	Total	30	30	37	37	37	37	37	37	37	297	297	297
MC	Equipment	78	78	96	96	235	235	235	235	235	235	235	235
	Activity	0	0	0	0	1	1	1	1	1	1	1	1
	Hauling	102	102	103	103	162	162	162	162	162	162	162	162
	Total	180	180	200	200	398	398	398	398	398	398	398	398
CA	Equipment	72	72	72	72	72	72	-	-	-	-	-	-
	Activity	1	1	1	1	1	1	-	-	-	-	-	-
	Hauling	153	153	153	153	153	153	-	-	-	-	-	-
	Total	225	225	225	225	225	225	-	-	-	-	-	-
CE	Equipment	112.3554	112.3554	69.1950	69.1950	69.1950	69.1950	69.1950	69.1950	69.1950	0.0000	0.0000	0.0000
	Activity	0.0637	0.0637	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0505	0.0000	0.0000	0.0000
	Hauling	19.0689	19.0689	15.2171	15.2171	15.2171	15.2171	15.2171	15.2171	15.2171	0.0000	0.0000	0.0000
	Total	131.4880	131.4880	84.4625	84.4625	84.4625	84.4625	84.4625	84.4625	84.4625	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	278.5012	278.5012	271.3589	271.3589	410.1479	410.1479	338.3214	338.3214	338.3214	450.5435	450.5435	450.5435
	Activity	0.9535	0.9535	0.9116	0.9116	1.1102	1.1102	0.6028	0.6028	0.6028	0.8103	0.8103	0.8103
	Hauling	287	287	275	275	334	334	181	181	181	244	244	244
	Total	567	567	547	547	745	745	520	520	520	695	695	695
YEARLY TOTALS		7363.551											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	215	215	205	24	24	72	72	72	72	72	72	72
	Activity	0	0	0	0	0	1	1	1	1	1	1	1
	Hauling	81	81	82	5	5	247	247	247	247	247	247	247
	Total	297	297	288	29	29	320	320	320	320	320	320	320
MC	Equipment	235	235	235	-	-	98	305	305	305	305	305	305
	Activity	1	1	1	-	-	0	0	0	0	0	0	0
	Hauling	162	162	162	-	-	5	130	130	130	130	130	130
	Total	398	398	398	-	-	103	434	434	434	434	434	434
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	53.6430	53.6430	39.6812	39.6812	39.6812	39.6812	39.6812	39.6812	39.6812
	Activity	0.0000	0.0000	0.0000	0.0131	0.0131	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113
	Hauling	0.0000	0.0000	0.0000	3.9431	3.9431	3.4054	3.4054	3.4054	3.4054	3.4054	3.4054	3.4054
	Total	0.0000	0.0000	0.0000	57.5992	57.5992	43.0979	43.0979	43.0979	43.0979	43.0979	43.0979	43.0979
All Areas	Equipment	450.5435	450.5435	440.5265	77.5418	77.5418	209.9639	416.2686	416.2686	416.2686	416.2686	416.2686	416.2686
TOTALS	Activity	0.8103	0.8103	0.8143	0.0293	0.0293	0.8477	1.2619	1.2619	1.2619	1.2619	1.2619	1.2619
	Hauling	244	244	245	9	9	255	380	380	380	380	380	380
	Total	695	695	686	86	86	466	797	797	797	797	797	797
YEARLY TOTALS		7499.222											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	72	72	-	-	-	-	39	39	39	39	39	39
	Activity	1	1	-	-	-	-	0	0	0	0	0	0
	Hauling	247	247	-	-	-	-	13	13	13	13	13	13
	Total	320	320	-	-	-	-	53	53	53	53	53	53
MC	Equipment	305	305	305	305	70	70	184	184	184	184	184	184
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	130	130	130	130	3	3	9	9	9	9	9	9
	Total	434	434	434	434	74	74	193	193	193	193	193	193
CA	Equipment	38	38	38	38	38	38	38	38	38	38	38	38
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	13
	Total	51	51	51	51	51	51	51	51	51	51	51	51
CE	Equipment	17.9342	17.9342	17.9342	33.2966	33.2966	32.7830	35.5859	35.5859	17.6517	17.6517	0.0000	0.0000
	Activity	0.0049	0.0049	0.0049	0.0731	0.0731	0.0091	0.0072	0.0072	0.0023	0.0023	0.0000	0.0000
	Hauling	1.4338	1.4338	1.4338	21.9765	21.9765	2.6652	2.1062	2.1062	0.6724	0.6724	0.0000	0.0000
	Total	19.3729	19.3729	19.3729	55.3463	55.3463	35.4573	37.6993	37.6993	18.3264	18.3264	0.0000	0.0000
All Areas	Equipment	432.3132	432.3132	360.2390	375.6015	141.3205	140.8069	296.6353	296.6353	278.7011	278.7011	261.0494	261.0494
TOTALS	Activity	1.2986	1.2986	0.4791	0.5473	0.1275	0.0636	0.1261	0.1261	0.1212	0.1212	0.1189	0.1189
	Hauling	391	391	144	164	38	19	38	38	36	36	36	36
	Total	824	824	505	541	180	160	335	335	315	315	297	297
YEARLY TOTALS		4927.057											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	39	39	39	39	39	39	39	39	39	39	39	77
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	13	13	13	13	77
	Total	53	53	53	53	53	53	53	53	53	53	53	154
MC	Equipment	184	184	184	184	184	114	114	152	152	152	152	152
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	6	6	19	19	19	19	19
	Total	193	193	193	193	193	120	120	171	171	171	171	171
CA	Equipment	38	38	76	76	76	76	76	76	136	136	96	96
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	82	82	82	82	82	82	16	16	10	10
	Total	51	51	158	158	158	158	158	158	151	151	106	106
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	261.0494	261.0494	299.2591	299.2591	299.2591	229.0269	229.0269	267.8189	327.3935	327.3935	287.7966	325.4851
TOTALS	Activity	0.1189	0.1189	0.3489	0.3489	0.3489	0.3375	0.3375	0.3812	0.1618	0.1618	0.1415	0.3523
	Hauling	36	36	105	105	105	101	101	114	48	48	42	105
	Total	297	297	404	404	404	331	331	383	376	376	330	431
YEARLY TOTALS		4363.124											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	77	77	77	77	77	77	77	77	135	135	96	96
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	77	77	77	77	77	77	77	77	15	15	10	10
	Total	154	154	154	154	154	154	154	154	151	151	105	105
MC	Equipment	152	152	152	152	152	152	152	152	152	152	152	193
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	19	19	19	19	19	19	14
	Total	171	171	171	171	171	171	171	171	171	171	171	207
CA	Equipment	96	96	39	39	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	10	10	2	2	-	-	-	-	-	-	-	-
	Total	106	106	41	41	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	325.4851	325.4851	268.5040	268.5040	229.5060	229.5060	229.5060	229.5060	287.7992	287.7992	277.6564	318.2994
TOTALS	Activity	0.3523	0.3523	0.3264	0.3264	0.3190	0.3190	0.3190	0.3190	0.1165	0.1165	0.1459	0.4355
	Hauling	105	105	98	98	96	96	96	96	34	34	43	38
	Total	431	431	367	367	326	326	326	326	322	322	321	357
YEARLY TOTALS		4220.953											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	96	96	39	39	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	10	10	2	2	-	-	-	-	-	-	-	-
	Total	105	105	41	41	-	-	-	-	-	-	-	-
MC	Equipment	193	193	193	193	213	258	258	258	258	258	258	198
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	14	14	16	18	18	18	18	18	18	10
	Total	207	207	207	207	230	277	277	277	277	277	277	208
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	318.2994	318.2994	261.3183	261.3183	272.9918	318.4084	318.4084	318.4084	318.4084	318.4084	258.3093	198.0408
TOTALS	Activity	0.4355	0.4355	0.4095	0.4095	0.3887	0.0878	0.0878	0.0878	0.0878	0.0878	0.0619	0.0352
	Hauling	38	38	31	31	24	26	26	26	26	26	18	10
	Total	357	357	292	292	298	344	344	344	344	344	277	208
YEARLY TOTALS		3802.323											

CO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
MC	Equipment	198	114	114	114	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	10	6	6	6	-	-	-	-	-	-	-	-
	Total	208	120	120	120	-	-	-	-	-	-	-	-
CA	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	198.0408	113.6593	113.6593	113.6593	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0352	0.0199	0.0199	0.0199	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	10	6	6	6	-	-	-	-	-	-	-	-
	Total	208	120	120	120	-	-	-	-	-	-	-	-
YEARLY TOTALS		566.873											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0008	0.0016	0.0016
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002
	Total	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0011	0.0018	0.0018
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.0007	0.0009	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0004	0.0003	0.0003
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.002
YEARLY TOTALS		0.011											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003
MC	Equipment	0.0016	0.0017	0.0009	0.0009	0.0009	0.0006	0.0006	0.0008	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0002	0.0002	0.0010	0.0010	0.0010	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0018	0.0020	0.0019	0.0019	0.0019	0.0016	0.0016	0.0018	0.0016	0.0016	0.0016	0.0016
CA	Equipment	0.0002	0.0003	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0019	0.0003	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0001	0.0014	0.0014
	Total	0.0002	0.0003	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0022	0.0004	0.0020	0.0020
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
All Areas TOTALS	Equipment	0.0017	0.0020	0.0012	0.0012	0.0012	0.0024	0.0024	0.0026	0.0027	0.0014	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0003	0.0003	0.0010	0.0010	0.0010	0.0011	0.0011	0.0012	0.0012	0.0011	0.0025	0.0025
	Total	0.002	0.002	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.003	0.004	0.004
YEARLY TOTALS		0.037											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
LW	Equipment	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0019	0.0019	0.0019
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007
	Total	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0027	0.0027	0.0027
MC	Equipment	0.0006	0.0006	0.0008	0.0008	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0009	0.0009	0.0009	0.0009	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	Total	0.0016	0.0016	0.0017	0.0017	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
CA	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0011	0.0011	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0012	0.0012	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0023	0.0023	0.0025	0.0025	0.0019	0.0019	0.0019	0.0029	0.0029	0.0029
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0026	0.0026	0.0025	0.0025	0.0030	0.0030	0.0016	0.0016	0.0016	0.0022	0.0022	0.0022
	Total	0.005	0.005	0.005	0.005	0.006	0.006	0.004	0.004	0.004	0.005	0.005	0.005
YEARLY TOTALS		0.057											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
LW	Equipment	0.0019	0.0019	0.0018	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0007	0.0007	0.0008	0.0000	0.0000	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.0027	0.0027	0.0026	0.0003	0.0003	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
MC	Equipment	0.0010	0.0010	0.0010	0.0000	0.0000	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0015	0.0015	0.0015	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Total	0.0025	0.0025	0.0025	0.0000	0.0000	0.0004	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas TOTALS	Equipment	0.0029	0.0029	0.0028	0.0006	0.0006	0.0012	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0022	0.0022	0.0022	0.0001	0.0001	0.0023	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035
	Total	0.005	0.005	0.005	0.001	0.001	0.004	0.006	0.006	0.006	0.006	0.006	0.006
YEARLY TOTALS		0.053											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
LW	Equipment	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0022	0.0022	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0028	0.0028	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
MC	Equipment	0.0012	0.0012	0.0012	0.0012	0.0002	0.0002	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0024	0.0024	0.0024	0.0024	0.0002	0.0002	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
CA	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
CE	Equipment	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0002	0.0005	0.0005	0.0003	0.0004	0.0004	0.0002	0.0002	0.0000	0.0000
All Areas TOTALS	Equipment	0.0022	0.0022	0.0016	0.0017	0.0007	0.0007	0.0021	0.0021	0.0019	0.0019	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0036	0.0036	0.0013	0.0015	0.0003	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.006	0.006	0.003	0.003	0.001	0.001	0.002	0.002	0.002	0.002	0.002	0.002
YEARLY TOTALS		0.033											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
LW	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0014
MC	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0011	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0011	0.0015	0.0015	0.0015	0.0015	0.0015
CA	Equipment	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0013	0.0013	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001
	Total	0.0004	0.0004	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0017	0.0017	0.0022	0.0022	0.0022	0.0020	0.0020	0.0023	0.0029	0.0029	0.0025	0.0029
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0003	0.0003	0.0010	0.0010	0.0010	0.0009	0.0009	0.0010	0.0004	0.0004	0.0004	0.0010
	Total	0.002	0.002	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.004
YEARLY TOTALS		0.036											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
LW	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0013	0.0013	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010	0.0010
MC	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0018
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0019
CA	Equipment	0.0009	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0029	0.0029	0.0024	0.0024	0.0020	0.0020	0.0020	0.0020	0.0026	0.0026	0.0025	0.0030
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0010	0.0010	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0003	0.0003	0.0004	0.0004
	Total	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
YEARLY TOTALS		0.038											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
LW	Equipment	0.0009	0.0009	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0018	0.0018	0.0018	0.0018	0.0020	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0019
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0019	0.0019	0.0019	0.0019	0.0021	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0019
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas TOTALS	Equipment	0.0030	0.0030	0.0024	0.0024	0.0025	0.0030	0.0030	0.0030	0.0030	0.0030	0.0024	0.0019
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0004	0.0004	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.002
YEARLY TOTALS		0.035											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
LW	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
MC	Equipment	0.0019	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0019	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CA	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
CE	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0019	0.0011	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.002	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.005											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 1	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2043	12/31/2043	2043	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2044	12/31/2044	2044	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2045	12/31/2045	2045	260	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2046	12/31/2046	2046	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 1	MSF	1/1/2047	12/31/2047	2047	261	5	40	1	113	4	44357	0	3	1	0.000	0.032	0.001	13	0.000	0.001	0.000
Section 1	MSF	1/1/2048	12/31/2048	2048	262	25	40	5	563	18	221497	2	13	5	0.001	0.163	0.005	64	0.001	0.004	0.001
Section 1	MSF	1/1/2049	5/10/2049	2049	92	10	40	2	225	7	88501	1	5	2	0.000	0.023	0.001	9	0.000	0.001	0.000
Section 1	MSF	1/1/2050	10/10/2050	2050	201	10	40	2	225	7	88421	1	5	2	0.000	0.050	0.002	20	0.000	0.001	0.000
Section 1	Alignment Section	1/14/2041	12/31/2041	2041	252	50	40	12	1170	42	450624	4	26	10	0.003	0.325	0.012	125	0.001	0.007	0.003
Section 1	Alignment Section	1/1/2042	12/31/2042	2042	261	120	40	27	2779	99	1077205	11	62	23	0.008	0.800	0.028	310	0.003	0.018	0.007
Section 1	Alignment Section	1/1/2043	12/31/2043	2043	261	180	40	39	4135	144	1610470	16	93	35	0.011	1.190	0.042	463	0.005	0.027	0.010
Section 1	Alignment Section	1/1/2044	12/31/2044	2044	261	205	40	44	4681	161	1829155	18	106	40	0.013	1.347	0.046	526	0.005	0.031	0.011
Section 1	Alignment Section	1/1/2045	12/31/2045	2045	260	205	40	43	4661	158	1824928	18	106	40	0.012	1.336	0.045	523	0.005	0.030	0.011
Section 1	Alignment Section	1/1/2046	12/31/2046	2046	261	190	40	39	4305	144	1688229	17	98	37	0.011	1.239	0.041	486	0.005	0.028	0.011
Section 1	Alignment Section	1/1/2047	12/31/2047	2047	261	170	40	35	3841	127	1508149	15	88	33	0.010	1.105	0.037	434	0.004	0.025	0.009
Section 1	Alignment Section	1/1/2048	12/31/2048	2048	262	150	40	31	3380	111	1328983	13	77	29	0.009	0.976	0.032	384	0.004	0.022	0.008
Section 1	Alignment Section	1/1/2049	12/31/2049	2049	261	45	40	9	1013	33	398256	4	23	9	0.003	0.291	0.010	115	0.001	0.007	0.002
Section 1	Alignment Section	1/1/2050	10/10/2050	2050	201	30	40	6	675	22	265262	3	15	6	0.001	0.150	0.005	59	0.001	0.003	0.001

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	125	0.0	0.0	0.0
2042	0.0	0.8	0.0	310	0.0	0.0	0.0
2043	0.0	1.2	0.0	463	0.0	0.0	0.0
2044	0.0	1.3	0.0	526	0.0	0.0	0.0
2045	0.0	1.3	0.0	523	0.0	0.0	0.0
2046	0.0	1.2	0.0	486	0.0	0.0	0.0
2047	0.0	1.1	0.0	447	0.0	0.0	0.0
2048	0.0	1.1	0.0	448	0.0	0.0	0.0
2049	0.0	0.3	0.0	124	0.0	0.0	0.0
2050	0.0	0.2	0.0	78	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0	0.0	0.0	0.0
2044	0.0	0.0	0.0	0	0.0	0.0	0.0
2045	0.0	0.0	0.0	0	0.0	0.0	0.0
2046	0.0	0.0	0.0	0	0.0	0.0	0.0
2047	0.0	0.0	0.0	13	0.0	0.0	0.0
2048	0.0	0.2	0.0	64	0.0	0.0	0.0
2049	0.0	0.0	0.0	9	0.0	0.0	0.0
2050	0.0	0.0	0.0	20	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading and site Prep at Existing Dev. 16 Facility																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/15/2047	4/13/2048	7	130	0.017	0.002	0.000	0.000	0.000	11.9	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	10/15/2047	4/13/2048	7	130	0.016	0.013	0.000	0.000	0.001	2.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	10/15/2047	4/13/2048	7	130	0.020	0.004	0.000	0.000	0.003	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/15/2047	4/13/2048	7	130	0.010	0.001	0.000	0.000	0.000	3.0	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	10/15/2047	4/13/2048	7	130	0.016	0.001	0.000	0.000	0.001	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	4/13/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	4/13/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	4/13/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/15/2047	4/13/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	4/13/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.079*	*0.021*	*0.001*	*0.001*	*0.006*	*29*	*0.000*
Trackwork and Systems																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	4/14/2048	10/12/2048	7	130	0.004	0.000	0.000	0.000	0.000	2.5	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	4/14/2048	10/12/2048	7	130	0.031	0.026	0.000	0.000	0.003	5.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	4/14/2048	10/12/2048	7	130	0.020	0.001	0.000	0.000	0.000	6.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	4/14/2048	10/12/2048	7	130	0.077	0.008	0.000	0.000	0.001	44.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2048	10/12/2048	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.132*	*0.036*	*0.001*	*0.001*	*0.004*	*60*	*0.001*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site Prep at Existing Dev. 16 Facility															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Apr-48	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Oct-47	Apr-48	7	130			0.0194	0.0147			
Truck Loading Dust	Tons of material being loaded per day	120	Aggregate		Oct-47	Apr-48	7	130			0.0013	0.0002			
Truck Loading on site - idling	Number of Vehicles	10	12	0.83	Oct-47	Apr-48	7	130	0.0001	0.0000	0.0000	0.0000	0.0000	0.0070	0.0000
Trucks Traveling on site	Number of Vehicles	10	Paved	1.00	Oct-47	Apr-48	7	130	0.0000	0.0002	0.0000	0.0000	0.0000	0.0422	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0207*	*0.0149*	*0.0000*	*0.0492*	*0.0000*
Trackwork and Systems															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-48	Oct-48	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-48	Oct-48	7	130			0.0194	0.0147			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Apr-48	Oct-48	7	130			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0084	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0157	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0197*	*0.0147*	*0.0000*	*0.0259*	*0.0000*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading and site Prep at Existing Dev. 16 Facility														
				Oct-47	Apr-48	7	130							
				Oct-47	Apr-48	7	130							
				Oct-47	Apr-48	7	130							
				Oct-47	Apr-48	7	130							
Trucks Traveling to site	Number of Vehicles	10	66	Oct-47	Apr-48	7	130	0.0053	0.0209	0.0050	0.0007	0.0006	14.8142	0.0001
				Oct-47	Apr-48	7	130							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Apr-48	7	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	Apr-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Apr-48	7	130							
Totals								*0.0053*	*0.0209*	*0.0050*	*0.0007*	*0.0006*	*14.8142*	*0.0001*
Trackwork and Systems														
				Apr-48	Oct-48	7	130							
				Apr-48	Oct-48	7	130							
				Apr-48	Oct-48	7	130							
				Apr-48	Oct-48	7	130							
Trucks Traveling to site	Number of Vehicles	2	66	Apr-48	Oct-48	7	130	0.0010	0.0042	0.0010	0.0001	0.0001	2.9514	0.0000
				Apr-48	Oct-48	7	130							
Deliveries Traveling to site	Number of Vehicles	7	66	Apr-48	Oct-48	7	130	0.0006	0.0014	0.0014	0.0001	0.0001	4.7131	0.0000
				Apr-48	Oct-48	7	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-48	Oct-48	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	Oct-48	7	130							
Totals								*0.0016*	*0.0055*	*0.0024*	*0.0003*	*0.0002*	*7.6645*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	9/23/2042	2/20/2043	6	109	0.0061	0.0045	0.0000	0.0000	0.0001	2.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	9/23/2042	2/20/2043	6	109	0.0290	0.0020	0.0001	0.0001	0.0004	8.8	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	9/23/2042	2/20/2043	6	109	0.0322	0.0027	0.0002	0.0001	0.0017	5.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	2/20/2043	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0673*	*0.0092*	*0.0003*	*0.0002*	*0.0022*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/5/2043	2/29/2044	13	278	0.0196	0.0020	0.0001	0.0001	0.0004	13.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	2/5/2043	2/29/2044	13	278	0.0181	0.0151	0.0001	0.0001	0.0015	3.0	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	2/5/2043	2/29/2044	13	278	0.0231	0.0046	0.0003	0.0003	0.0035	10.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/5/2043	2/29/2044	13	278	0.0114	0.0008	0.0000	0.0000	0.0002	3.5	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	2/5/2043	2/29/2044	13	278	0.0190	0.0016	0.0001	0.0001	0.0010	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2043	2/29/2044	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2043	2/29/2044	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2043	2/29/2044	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/5/2043	2/29/2044	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2043	2/29/2044	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0911*	*0.0240*	*0.0006*	*0.0006*	*0.0065*	*34*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	9/8/2043	3/10/2044	7	133	0.0540	0.0054	0.0002	0.0002	0.0010	37.9	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	9/8/2043	3/10/2044	7	133	0.1251	0.0125	0.0005	0.0005	0.0024	86.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	2.0	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	6.0	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.6	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	9/8/2043	3/10/2044	7	133	0.0268	0.0019	0.0001	0.0001	0.0004	11.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0382	0.0096	0.0006	0.0005	0.0051	19.3	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0255	0.0027	0.0003	0.0003	0.0011	4.2	0.000
Construction Equipment Total				*18*										*0.2696*	*0.0321*	*0.0016*	*0.0015*	*0.0100*	*170*	*0.002*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/8/2043	3/10/2044	7	133	0.0222	0.0023	0.0001	0.0001	0.0012	3.6	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	9/8/2043	3/10/2044	7	133	0.0138	0.0102	0.0000	0.0000	0.0003	7.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/8/2043	3/10/2044	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*6*										*0.0360*	*0.0125*	*0.0002*	*0.0002*	*0.0015*	*12*	*0.000*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/24/2044	5/18/2044	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/24/2044	5/18/2044	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/24/2044	5/18/2044	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/24/2044	5/18/2044	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/24/2044	5/18/2044	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2044	5/18/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2044	5/18/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2044	5/18/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/24/2044	5/18/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2044	5/18/2044	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	5/18/2044	2/13/2045	10	194	0.0092	0.0009	0.0000	0.0000	0.0002	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	5/18/2044	2/13/2045	10	194	0.0273	0.0435	0.0009	0.0008	0.0012	14.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/18/2044	2/13/2045	10	194	0.0177	0.0018	0.0001	0.0001	0.0003	12.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	5/18/2044	2/13/2045	10	194	0.0177	0.0199	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	5/18/2044	2/13/2045	10	194	0.0189	0.0242	0.0010	0.0009	0.0009	7.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	5/18/2044	2/13/2045	10	194	0.0184	0.0035	0.0002	0.0002	0.0025	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	5/18/2044	2/13/2045	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	9.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	5/18/2044	2/13/2045	10	194	0.0070	0.0052	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/18/2044	2/13/2045	10	194	0.0103	0.0007	0.0000	0.0000	0.0001	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/18/2044	2/13/2045	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1266*	*0.0997*	*0.0029*	*0.0027*	*0.0061*	*72*	*0.001*
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/20/2045	11/26/2046	18	375	0.0099	0.0010	0.0000	0.0000	0.0002	6.9	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	6/20/2045	11/26/2046	18	375	0.0158	0.0011	0.0000	0.0000	0.0002	8.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	6/20/2045	11/26/2046	18	375	0.0162	0.0016	0.0001	0.0001	0.0003	9.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	9.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/20/2045	11/26/2046	18	375	0.0111	0.0008	0.0000	0.0000	0.0002	3.4	0.000
None-0	Fleet Average	0	Diesel	1	1.00	1.00	8	8	8	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/20/2045	11/26/2046	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0530*	*0.0045*	*0.0002*	*0.0002*	*0.0009*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	11/27/2046	2/17/2048	16	320	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/27/2046	2/17/2048	16	320	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/27/2046	2/17/2048	16	320	0.0399	0.0083	0.0005	0.0005	0.0064	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	11/27/2046	2/17/2048	16	320	0.0426	0.0030	0.0001	0.0001	0.0006	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/27/2046	2/17/2048	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1375*	*0.0207*	*0.0012*	*0.0012*	*0.0135*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	11/20/2046	8/20/2047	10	196	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	11/20/2046	8/20/2047	10	196	0.0251	0.0022	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	11/20/2046	8/20/2047	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/20/2046	8/20/2047	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/6/2047	10/29/2047	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/6/2047	10/29/2047	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	8/6/2047	10/29/2047	3	61	0.0134	0.0106	0.0000	0.0000	0.0007	2.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	8/6/2047	10/29/2047	3	61	0.0229	0.0023	0.0001	0.0001	0.0004	13.1	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	8/6/2047	10/29/2047	3	61	0.0541	0.0045	0.0003	0.0003	0.0031	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2047	10/29/2047	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2047	10/29/2047	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2047	10/29/2047	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/6/2047	10/29/2047	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2047	10/29/2047	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.1128*	*0.0196*	*0.0005*	*0.0005*	*0.0047*	*40*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	8/20/2047	4/13/2048	9	170	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	8/20/2047	4/13/2048	9	170	0.0160	0.0016	0.0001	0.0001	0.0003	8.6	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	8/20/2047	4/13/2048	9	170	0.0194	0.0044	0.0003	0.0002	0.0026	9.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	8/20/2047	4/13/2048	9	170	0.0188	0.0039	0.0003	0.0002	0.0030	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2047	4/13/2048	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0721*	*0.0117*	*0.0006*	*0.0006*	*0.0062*	*39*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Feb-43	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Sep-42	Feb-43	6	109			0.0095	0.0072			
Truck Loading Dust	Tons of material being loaded per day	108	Aggregate		Sep-42	Feb-43	6	109			0.0012	0.0002			
Truck Loading on site - idling	Number of Vehicles	9	12	0.75	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Trucks Traveling on site	Number of Vehicles	9	Paved	0.90	Sep-42	Feb-43	6	109	0.0000	0.0001	0.0000	0.0000	0.0000	0.0387	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0107*	*0.0074*	*0.0000*	*0.0447*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Feb-44	13	278			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-43	Feb-44	13	278			0.0240	0.0141			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-43	Feb-44	13	278			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0240*	*0.0141*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-43	Mar-44	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-43	Mar-44	7	133			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Sep-43	Mar-44	7	133			0.0027	0.0004			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Sep-43	Mar-44	7	133	0.0001	0.0001	0.0000	0.0000	0.0000	0.0141	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Sep-43	Mar-44	7	133	0.0001	0.0003	0.0001	0.0000	0.0000	0.0889	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0106	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Sep-43	Mar-44	7	133	0.0002	0.0001	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Sep-43	Mar-44	7	133	0.0001	0.0005	0.0000	0.0000	0.0000	0.1245	0.0000
				0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0242*	*0.0130*	*0.0001*	*0.2580*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-43	Mar-44	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-43	Mar-44	7	133			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-43	Mar-44	7	133			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	May-44	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	May-44	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-44	May-44	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0157	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	May-44	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0161*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Feb-45	10	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		May-44	Feb-45	10	194			0.0435	0.0257			
Truck Loading Dust	Tons of material being loaded per day	3,140	Dirt		May-44	Feb-45	10	194			0.0033	0.0005			
Truck Loading on site - idling	Number of Vehicles	157	20	13.08	May-44	Feb-45	10	194	0.0009	0.0006	0.0000	0.0000	0.0001	0.1130	0.0000
Trucks Traveling on site	Number of Vehicles	157	Paved	15.70	May-44	Feb-45	10	194	0.0007	0.0027	0.0001	0.0000	0.0001	0.7064	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0033*	*0.0469*	*0.0262*	*0.0002*	*0.8195*	*0.0000*
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Nov-46	18	375			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-45	Nov-46	18	375			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Nov-46	18	375			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0062	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jun-45	Nov-46	18	375	0.0000	0.0001	0.0000	0.0000	0.0000	0.0384	0.0000
				0.00	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0446*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-46	Feb-48	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-46	Feb-48	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-46	Feb-48	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0253	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0260*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-46	Aug-47	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-46	Aug-47	10	196			0.0220	0.0130			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Nov-46	Aug-47	10	196			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Nov-46	Aug-47	10	196	0.0003	0.0002	0.0000	0.0000	0.0000	0.0322	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Nov-46	Aug-47	10	196	0.0002	0.0008	0.0000	0.0000	0.0000	0.1972	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0226*	*0.0131*	*0.0000*	*0.2294*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-47	Oct-47	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-47	Oct-47	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-47	Oct-47	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0192	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-47	Oct-47	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0197*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-47	Apr-48	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Aug-47	Apr-48	9	170			0.0106	0.0062			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-47	Apr-48	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0070	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0106*	*0.0062*	*0.0000*	*0.0072*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
				Sep-42	Feb-43	6	109							
Trucks Traveling to site	Number of Vehicles	9	66	Sep-42	Feb-43	6	109	0.0054	0.0190	0.0045	0.0007	0.0006	13.4780	0.0001
				Sep-42	Feb-43	6	109							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	109							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	109							
Totals								*0.0054*	*0.0190*	*0.0045*	*0.0007*	*0.0006*	*13.4780*	*0.0001*
Utility Relocation & Site Preparation														
				Feb-43	Feb-44	13	278							
				Feb-43	Feb-44	13	278							
				Feb-43	Feb-44	13	278							
				Feb-43	Feb-44	13	278							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-44	13	278							
Deliveries Traveling to site	Number of Vehicles	4	66	Feb-43	Feb-44	13	278	0.0005	0.0011	0.0010	0.0001	0.0001	3.5700	0.0000
				Feb-43	Feb-44	13	278							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-44	13	278	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-44	13	278							
Totals								*0.0005*	*0.0011*	*0.0010*	*0.0001*	*0.0001*	*3.5700*	*0.0000*
Shoring														
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
Trucks Traveling to site	Number of Vehicles	20	66	Sep-43	Mar-44	7	133	0.0121	0.0437	0.0103	0.0015	0.0013	31.0469	0.0003
				Sep-43	Mar-44	7	133							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-43	Mar-44	7	133	0.0004	0.0010	0.0008	0.0001	0.0001	3.1719	0.0000
				Sep-43	Mar-44	7	133							
Cement Trucks Traveling to site	Number of Vehicles	28	66	Sep-43	Mar-44	7	133	0.0170	0.0612	0.0145	0.0022	0.0018	43.4657	0.0004
				Sep-43	Mar-44	7	133							
Totals								*0.0295*	*0.1058*	*0.0257*	*0.0038*	*0.0032*	*77.6845*	*0.0007*
Shoring Cont.														
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
				Sep-43	Mar-44	7	133							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Deliveries Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-43	Mar-44	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-43	Mar-44	7	133							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking 12 weekends							*Prorated*							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
				Feb-44	May-44	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	May-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	May-44	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Feb-44	May-44	4	36	0.0006	0.0015	0.0013	0.0001	0.0001	4.7182	0.0000
				Feb-44	May-44	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	May-44	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	May-44	4	36							
Totals								*0.0006*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.7182*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				May-44	Feb-45	10	194							
				May-44	Feb-45	10	194							
				May-44	Feb-45	10	194							
				May-44	Feb-45	10	194							
Trucks Traveling to site	Number of Vehicles	157	66	May-44	Feb-45	10	194	0.0943	0.3474	0.0829	0.0123	0.0100	246.9548	0.0022
				May-44	Feb-45	10	194							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Feb-45	10	194							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Feb-45	10	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Feb-45	10	194							
Totals								*0.0943*	*0.3474*	*0.0829*	*0.0123*	*0.0100*	*246.9548*	*0.0022*
Cast-in-place Station Box Structure														
				Jun-45	Nov-46	18	375							
				Jun-45	Nov-46	18	375							
				Jun-45	Nov-46	18	375							
				Jun-45	Nov-46	18	375							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Nov-46	18	375							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-45	Nov-46	18	375	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Nov-46	18	375							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Jun-45	Nov-46	18	375	0.0050	0.0189	0.0045	0.0007	0.0005	13.4266	0.0001
				Jun-45	Nov-46	18	375							
Totals								*0.0050*	*0.0189*	*0.0045*	*0.0007*	*0.0005*	*13.4266*	*0.0001*
MEP and Architectural finish work														
				Nov-46	Feb-48	16	320							
				Nov-46	Feb-48	16	320							
				Nov-46	Feb-48	16	320							
				Nov-46	Feb-48	16	320							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Feb-48	16	320							
Deliveries Traveling to site	Number of Vehicles	10	66	Nov-46	Feb-48	16	320	0.0010	0.0023	0.0022	0.0002	0.0001	7.6015	0.0001
				Nov-46	Feb-48	16	320							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-46	Feb-48	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Feb-48	16	320							
Totals								*0.0010*	*0.0023*	*0.0022*	*0.0002*	*0.0001*	*7.6015*	*0.0001*
Backfill														
				Nov-46	Aug-47	10	196							
				Nov-46	Aug-47	10	196							
				Nov-46	Aug-47	10	196							
				Nov-46	Aug-47	10	196							
Trucks Traveling to site	Number of Vehicles	44	66	Nov-46	Aug-47	10	196	0.0252	0.0973	0.0234	0.0035	0.0026	69.1011	0.0006
				Nov-46	Aug-47	10	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Aug-47	10	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-46	Aug-47	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Aug-47	10	196							
Totals								*0.0252*	*0.0973*	*0.023*	*0.0035*	*0.0026*	*69.1011*	*0.0006*
Decking Removal - 12 weekends							*Prorated*							
				Aug-47	Oct-47	3	36							
				Aug-47	Oct-47	3	36							
				Aug-47	Oct-47	3	36							
				Aug-47	Oct-47	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Oct-47	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-47	Oct-47	3	36	0.0007	0.0017	0.0017	0.0002	0.0001	5.7823	0.0001
				Aug-47	Oct-47	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Oct-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Oct-47	3	36							
Totals								*0.0007*	*0.0017*	*0.0017*	*0.0002*	*0.0001*	*5.7823*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration														
				Aug-47	Apr-48	9	170							
				Aug-47	Apr-48	9	170							
				Aug-47	Apr-48	9	170							
				Aug-47	Apr-48	9	170							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Apr-48	9	170							
Deliveries Traveling to site	Number of Vehicles	3	66	Aug-47	Apr-48	9	170	0.0003	0.0006	0.0006	0.0001	0.0000	2.1004	0.0000
				Aug-47	Apr-48	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-47	Apr-48	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-47	Apr-48	9	170							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.1004*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	3	0.38	0.50	8	4	12	2/12/2041	10/12/2041	9	174	0.019	0.014	0.000	0.000	0.000	8.1	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.75	8	6	18	2/12/2041	10/12/2041	9	174	0.093	0.007	0.000	0.000	0.001	28.2	0.000
Bobcat-175	Fleet Average	125	Diesel	3	0.56	0.50	8	4	12	2/12/2041	10/12/2041	9	174	0.103	0.009	0.001	0.000	0.005	16.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	10/12/2041	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.215*	*0.030*	*0.001*	*0.001*	*0.007*	*53*	*0.001*
Utility Relcoation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.016	0.002	0.000	0.000	0.000	11.1	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.015	0.012	0.000	0.000	0.001	2.4	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	9/28/2041	5/5/2042	9	156	0.019	0.004	0.000	0.000	0.003	8.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/28/2041	5/5/2042	9	156	0.009	0.001	0.000	0.000	0.000	2.8	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	9/28/2041	5/5/2042	9	156	0.015	0.001	0.000	0.000	0.001	2.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/28/2041	5/5/2042	9	156	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.074*	*0.019*	*0.001*	*0.000*	*0.005*	*27*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	10/8/2041	2/8/2042	5	89	0.025	0.003	0.000	0.000	0.000	17.8	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	10/8/2041	2/8/2042	5	89	0.202	0.020	0.001	0.001	0.004	79.3	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	10/8/2041	2/8/2042	5	89	0.025	0.002	0.000	0.000	0.000	10.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.036	0.009	0.001	0.000	0.005	18.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.024	0.003	0.000	0.000	0.001	3.9	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	10/8/2041	2/8/2042	5	89	0.021	0.002	0.000	0.000	0.001	3.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	10/8/2041	2/8/2042	5	89	0.013	0.010	0.000	0.000	0.000	6.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/8/2041	2/8/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.346*	*0.048*	*0.002*	*0.002*	*0.012*	*141*	*0.001*
Decking - 4 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (12/21)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.005	0.001	0.000	0.000	0.000	3.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.006	0.001	0.000	0.000	0.000	4.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	1/8/2042	2/5/2042	2	21	0.002	0.001	0.000	0.000	0.000	0.3	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	1/8/2042	2/5/2042	2	21	0.012	0.001	0.000	0.000	0.000	7.2	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	1/8/2042	2/5/2042	2	21	0.004	0.000	0.000	0.000	0.000	0.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/8/2042	2/5/2042	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.029*	*0.004*	*0.000*	*0.000*	*0.001*	*16*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/5/2042	4/20/2043	15	314	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/5/2042	4/20/2043	15	314	0.029	0.047	0.001	0.001	0.001	15.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.019	0.002	0.000	0.000	0.000	13.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.019	0.021	0.001	0.001	0.001	6.7	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/5/2042	4/20/2043	15	314	0.020	0.026	0.001	0.001	0.001	8.4	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.020	0.004	0.000	0.000	0.003	9.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/5/2042	4/20/2043	15	314	0.000	0.000	0.000	0.000	0.000	9.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/5/2042	4/20/2043	15	314	0.008	0.006	0.000	0.000	0.000	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/5/2042	4/20/2043	15	314	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/5/2042	4/20/2043	15	314	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.137*	*0.108*	*0.003*	*0.003*	*0.007*	*78*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	7/15/2042	8/11/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/15/2042	8/11/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	8/11/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*ROW 84 MODIFIED TO REFLECT 6 DAYS ONLY*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/24/2043	4/20/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/24/2043	4/20/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/24/2043	4/20/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.051	0.004	0.000	0.000	0.001	15.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	4/21/2043	3/7/2044	12	230	0.037	0.004	0.000	0.000	0.001	20.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	53.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.106*	*0.009*	*0.000*	*0.000*	*0.002*	*119*	*0.000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	55.9	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	4/21/2043	3/7/2044	12	230	0.079	0.115	0.003	0.002	0.003	32.7	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	4/21/2043	3/7/2044	12	230	0.040	0.004	0.000	0.000	0.001	22.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	3/7/2044	12	230	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.138*	*0.133*	*0.003*	*0.003*	*0.005*	*116*	*0.001*
TBM Reassembly														*ROW 120 MODIFIED TO REFLECT 6 DAYS ONLY*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	5/3/2044	6/27/2044	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	6/27/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	6/28/2044	4/17/2045	11	210	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	6/28/2044	4/17/2045	11	210	0.051	0.004	0.000	0.000	0.001	15.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	6/28/2044	4/17/2045	11	210	0.037	0.004	0.000	0.000	0.001	20.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	53.4	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.106*	*0.009*	*0.000*	*0.000*	*0.002*	*119*	*0.000*
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	55.7	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	6/28/2044	4/17/2045	11	210	0.079	0.115	0.003	0.002	0.003	32.6	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	6/28/2044	4/17/2045	11	210	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	6/28/2044	4/17/2045	11	210	0.040	0.004	0.000	0.000	0.001	22.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/28/2044	4/17/2045	11	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.138*	*0.132*	*0.003*	*0.003*	*0.005*	*115*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	5/3/2044	5/14/2046	25	530	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	5/3/2044	5/14/2046	25	530	0.007	0.001	0.000	0.000	0.000	3.6	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	5/3/2044	5/14/2046	25	530	0.021	0.027	0.001	0.001	0.001	9.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	5/3/2044	5/14/2046	25	530	0.003	0.004	0.000	0.000	0.000	1.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	5/3/2044	5/14/2046	25	530	0.011	0.008	0.000	0.000	0.001	1.5	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.047*	*0.040*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	14.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/3/2044	5/14/2046	25	530	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/13/2045	4/12/2049	47	1,000	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/13/2045	4/12/2049	47	1,000	0.023	0.002	0.000	0.000	0.000	6.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/13/2045	4/12/2049	47	1,000	0.176	0.018	0.001	0.001	0.003	101.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/13/2045	4/12/2049	47	1,000	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.203*	*0.020*	*0.001*	*0.001*	*0.004*	*114*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place station box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	7/11/2046	11/11/2047	17	349	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/11/2046	11/11/2047	17	349	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	7/11/2046	11/11/2047	17	349	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/11/2046	11/11/2047	17	349	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/11/2046	11/11/2047	17	349	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	11/12/2047	11/30/2048	13	275	0.016	0.001	0.000	0.000	0.000	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/12/2047	11/30/2048	13	275	0.042	0.009	0.001	0.001	0.007	19.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/12/2047	11/30/2048	13	275	0.042	0.009	0.001	0.001	0.007	19.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	11/12/2047	11/30/2048	13	275	0.045	0.003	0.000	0.000	0.001	13.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	11/30/2048	13	275	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.145*	*0.022*	*0.001*	*0.001*	*0.014*	*60*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	3.1	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	11/12/2047	5/12/2048	7	131	0.016	0.002	0.000	0.000	0.000	8.5	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	11/12/2047	5/12/2048	7	131	0.024	0.002	0.000	0.000	0.001	4.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	11/12/2047	5/12/2048	7	131	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/12/2047	5/12/2048	7	131	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.047*	*0.009*	*0.000*	*0.000*	*0.002*	*19*	*0.000*
Decking removal - 4 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (12/21)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	4/28/2048	5/26/2048	2	21	0.005	0.001	0.000	0.000	0.000	3.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	4/28/2048	5/26/2048	2	21	0.006	0.001	0.000	0.000	0.000	4.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	4/28/2048	5/26/2048	2	21	0.007	0.005	0.000	0.000	0.000	1.1	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	4/28/2048	5/26/2048	2	21	0.011	0.001	0.000	0.000	0.000	6.6	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	4/28/2048	5/26/2048	2	21	0.027	0.002	0.000	0.000	0.002	4.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/28/2048	5/26/2048	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/28/2048	5/26/2048	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/28/2048	5/26/2048	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/28/2048	5/26/2048	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/28/2048	5/26/2048	2	21	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.056*	*0.010*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	5/12/2048	1/25/2049	9	185	0.039	0.004	0.000	0.000	0.001	27.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	5/12/2048	1/25/2049	9	185	0.035	0.003	0.000	0.000	0.001	18.7	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	5/12/2048	1/25/2049	9	185	0.042	0.010	0.001	0.001	0.006	19.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	5/12/2048	1/25/2049	9	185	0.041	0.009	0.001	0.001	0.007	18.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/12/2048	1/25/2049	9	185	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.157*	*0.026*	*0.001*	*0.001*	*0.014*	*84*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Oct-41	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Feb-41	Oct-41	9	174			0.0303	0.0229			
Truck Loading Dust	Tons of material being loaded per day	228	Aggregate		Feb-41	Oct-41	9	174			0.0026	0.0004			
Truck Loading on site - idling	Number of Vehicles	19	12	1.58	Feb-41	Oct-41	9	174	0.0001	0.0001	0.0000	0.0000	0.0000	0.0136	0.0000
Trucks Traveling on site	Number of Vehicles	19	Paved	1.90	Feb-41	Oct-41	9	174	0.0001	0.0003	0.0000	0.0000	0.0000	0.0879	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0329*	*0.0233*	*0.0000*	*0.1015*	*0.0000*
Utility Relcoation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-41	May-42	9	156			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-41	May-42	9	156			0.0194	0.0115			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-41	May-42	9	156			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0104	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0194*	*0.0115*	*0.0000*	*0.0107*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-41	Feb-42	5	89			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Oct-41	Feb-42	5	89			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Oct-41	Feb-42	5	89			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Oct-41	Feb-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0213	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Oct-41	Feb-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0298	0.0000
				0.00	Oct-41	Feb-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0206*	*0.0119*	*0.0000*	*0.0618*	*0.0000*
Decking - 4 Weekends									*Emissions prorated for weekend work - mulitplied by 12/21*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Feb-42	2	21			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Feb-42	2	21			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Feb-42	2	21			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0113	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Feb-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0116*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Apr-43	15	314			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-42	Apr-43	15	314			0.0469	0.0277			
Truck Loading Dust	Tons of material being loaded per day	1,180	Dirt		Feb-42	Apr-43	15	314			0.0013	0.0002			
Truck Loading on site - idling	Number of Vehicles	59	20	4.92	Feb-42	Apr-43	15	314	0.0004	0.0002	0.0000	0.0000	0.0000	0.0457	0.0000
Trucks Traveling on site	Number of Vehicles	59	Paved	5.90	Feb-42	Apr-43	15	314	0.0003	0.0011	0.0001	0.0000	0.0000	0.2920	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0014*	*0.0483*	*0.0279*	*0.0001*	*0.3377*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Aug-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-42	Aug-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Apr-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Mar-44	12	230			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Apr-43	Mar-44	12	230			0.0134	0.0079			
Truck Loading Dust	Tons of material being loaded per day	1,900	Dirt		Apr-43	Mar-44	12	230			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	95	20	7.92	Apr-43	Mar-44	12	230	0.0005	0.0003	0.0000	0.0000	0.0000	0.0674	0.0000
Trucks Traveling on site	Number of Vehicles	95	Paved	9.50	Apr-43	Mar-44	12	230	0.0004	0.0016	0.0001	0.0000	0.0001	0.4261	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0453	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0020*	*0.0155*	*0.0082*	*0.0001*	*0.5401*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Mar-44	12	230			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Mar-44	12	230			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Mar-44	12	230			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	Jun-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	Jun-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0055*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Apr-45	11	210			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jun-44	Apr-45	11	210			0.0134	0.0079			
Truck Loading Dust	Tons of material being loaded per day	1,460	Dirt		Jun-44	Apr-45	11	210			0.0015	0.0002			
Truck Loading on site - idling	Number of Vehicles	73	20	6.08	Jun-44	Apr-45	11	210	0.0004	0.0003	0.0000	0.0000	0.0000	0.0517	0.0000
Trucks Traveling on site	Number of Vehicles	73	Paved	7.30	Jun-44	Apr-45	11	210	0.0003	0.0013	0.0001	0.0000	0.0000	0.3232	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0436	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0015*	*0.0150*	*0.0081*	*0.0001*	*0.4197*	*0.0000*
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-44	Apr-45	11	210			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-44	Apr-45	11	210			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-44	Apr-45	11	210			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	May-46	25	530			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		May-44	May-46	25	530			0.0267	0.0158			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		May-44	May-46	25	530			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0268*	*0.0158*	*0.0000*	*0.0114*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	May-46	25	530			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-44	May-46	25	530			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-44	May-46	25	530			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Apr-49	47	1000			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-45	Apr-49	47	1000			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Apr-49	47	1000			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0194	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0199*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place station box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-46	Nov-47	17	349			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-46	Nov-47	17	349			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-46	Nov-47	17	349			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jul-46	Nov-47	17	349	0.0000	0.0001	0.0000	0.0000	0.0000	0.0376	0.0000
				0.00	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0437*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Nov-48	13	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-47	Nov-48	13	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Nov-48	13	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0261	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0268*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	May-48	7	131			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-47	May-48	7	131			0.0210	0.0124			
Truck Loading Dust	Tons of material being loaded per day	742	Dirt		Nov-47	May-48	7	131			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	62	12	5.15	Nov-47	May-48	7	131	0.0003	0.0002	0.0000	0.0000	0.0000	0.0434	0.0000
Trucks Traveling on site	Number of Vehicles	62	Paved	6.18	Nov-47	May-48	7	131	0.0002	0.0010	0.0000	0.0000	0.0000	0.2631	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0012*	*0.0218*	*0.0125*	*0.0001*	*0.3065*	*0.0000*
Decking removal - 4 weekends									*Emissions prorated for weekend work - mulitplied by 12/21*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-48	May-48	2	21			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-48	May-48	2	21			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Apr-48	May-48	2	21			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-48	May-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0096*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-48	Jan-49	9	185			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-48	Jan-49	9	185			0.0230	0.0136			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-48	Jan-49	9	185			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0149	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0230*	*0.0136*	*0.0000*	*0.0153*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per dav	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
				Feb-41	Oct-41	9	174							
Trucks Traveling to site	Number of Vehicles	19	66	Feb-41	Oct-41	9	174	0.0125	0.0430	0.0100	0.0015	0.0013	30.6019	0.0003
				Feb-41	Oct-41	9	174							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Oct-41	9	174							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	Oct-41	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Oct-41	9	174							
Totals								*0.0125*	*0.0430*	*0.0100*	*0.0015*	*0.0013*	*30.6019*	*0.0003*
Utility Relcoation & Site Preparation														
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
				Sep-41	May-42	9	156							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	May-42	9	156							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-41	May-42	9	156	0.0004	0.0010	0.0008	0.0001	0.0001	3.1264	0.0000
				Sep-41	May-42	9	156							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-41	May-42	9	156	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-41	May-42	9	156							
Totals								*0.0004*	*0.0010*	*0.0008*	*0.0001*	*0.0001*	*3.1264*	*0.0000*
Shoring														
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
				Oct-41	Feb-42	5	89							
Trucks Traveling to site	Number of Vehicles	5	66	Oct-41	Feb-42	5	89	0.0030	0.0104	0.0024	0.0004	0.0003	7.4144	0.0001
				Oct-41	Feb-42	5	89							
Deliveries Traveling to site	Number of Vehicles	1	66	Oct-41	Feb-42	5	89	0.0001	0.0003	0.0002	0.0000	0.0000	0.8026	0.0000
				Oct-41	Feb-42	5	89							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Oct-41	Feb-42	5	89	0.0043	0.0146	0.0034	0.0005	0.0005	10.3802	0.0001
				Oct-41	Feb-42	5	89							
Totals								*0.0074*	*0.0253*	*0.0060*	*0.0009*	*0.0008*	*18.5973*	*0.0002*
Decking - 4 Weekends							*Prorated*							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
				Jan-42	Feb-42	2	12							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	12							
Deliveries Traveling to site	Number of Vehicles	13	66	Jan-42	Feb-42	2	12	0.0005	0.0011	0.0009	0.0001	0.0001	3.3788	0.0000
				Jan-42	Feb-42	2	12							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Feb-42	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Feb-42	2	12							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.3788*	*0.0000*
Excavation														
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
				Feb-42	Apr-43	15	314							
Trucks Traveling to site	Number of Vehicles	59	66	Feb-42	Apr-43	15	314	0.0407	0.1432	0.0336	0.0050	0.0043	101.8118	0.0009
				Feb-42	Apr-43	15	314							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Apr-43	15	314							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Apr-43	15	314	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Apr-43	15	314							
Totals								*0.0407*	*0.1432*	*0.0336*	*0.0050*	*0.0043*	*101.8118*	*0.0009*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
				Jul-42	Aug-42	2	20							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Deliveries Traveling to site	Number of Vehicles	6	66	Jul-42	Aug-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Jul-42	Aug-42	2	20							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Aug-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Aug-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-43	Apr-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Feb-43	Apr-43	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE)														
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
Trucks Traveling to site	Number of Vehicles	95	66	Apr-43	Mar-44	12	230	0.0581	0.2093	0.0496	0.0074	0.0062	148.7665	0.0013
				Apr-43	Mar-44	12	230							
Deliveries Traveling to site	Number of Vehicles	17	66	Apr-43	Mar-44	12	230	0.0018	0.0043	0.0036	0.0004	0.0003	13.5989	0.0001
				Apr-43	Mar-44	12	230							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Totals								*0.0600*	*0.2136*	*0.0532*	*0.0078*	*0.0064*	*162.3654*	*0.0015*
Bore Tunnels from Midtown Crossing (MC) to Crenshaw Expo (CE) - Continued														
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
				Apr-43	Mar-44	12	230							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Mar-44	12	230	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Mar-44	12	230							
Totals								*0.0000*	*0.0000*	*0.000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
				May-44	Jun-44	2	40							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Deliveries Traveling to site	Number of Vehicles	2	66	May-44	Jun-44	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.6131	0.0000
				May-44	Jun-44	2	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	Jun-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	Jun-44	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.6131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW)														
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
Trucks Traveling to site	Number of Vehicles	73	66	Jun-44	Apr-45	11	210	0.0431	0.1590	0.0379	0.0056	0.0046	112.9967	0.0010
				Jun-44	Apr-45	11	210							
Deliveries Traveling to site	Number of Vehicles	17	66	Jun-44	Apr-45	11	210	0.0017	0.0040	0.0036	0.0004	0.0002	13.0878	0.0001
				Jun-44	Apr-45	11	210							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Apr-45	11	210							
Totals								*0.0449*	*0.1630*	*0.0415*	*0.0060*	*0.0048*	*126.0845*	*0.0011*
Bore tunnels from Midtown Crossing (MC) to La Brea/Wilshire (LBW) - Continued														
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
				Jun-44	Apr-45	11	210							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Apr-45	11	210							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Apr-45	11	210							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-44	Apr-45	11	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-44	Apr-45	11	210							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				May-44	May-46	25	530							
				May-44	May-46	25	530							
				May-44	May-46	25	530							
				May-44	May-46	25	530							
Trucks Traveling to site	Number of Vehicles	1	66	May-44	May-46	25	530	0.0007	0.0024	0.0006	0.0001	0.0001	1.7189	0.0000
				May-44	May-46	25	530							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	May-46	25	530							
Cement Trucks Traveling to site	Number of Vehicles	1	66	May-44	May-46	25	530	0.0007	0.0024	0.0006	0.0001	0.0001	1.7189	0.0000
				May-44	May-46	25	530							
Totals								*0.0013*	*0.0048*	*0.0012*	*0.0002*	*0.0001*	*3.4378*	*0.0000*
Crosspassage - Continued														
				May-44	May-46	25	530							
				May-44	May-46	25	530							
				May-44	May-46	25	530							
				May-44	May-46	25	530							
Trucks Traveling to site	Number of Vehicles	0	66	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	May-46	25	530							
Deliveries Traveling to site	Number of Vehicles	0	66	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	May-46	25	530							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	May-46	25	530	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	May-46	25	530							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-45	Apr-49	47	1000							
				Jun-45	Apr-49	47	1000							
				Jun-45	Apr-49	47	1000							
				Jun-45	Apr-49	47	1000							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Apr-49	47	1000							
Deliveries Traveling to site	Number of Vehicles	7	66	Jun-45	Apr-49	47	1000	0.0008	0.0018	0.0017	0.0002	0.0001	5.8219	0.0001
				Jun-45	Apr-49	47	1000							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Apr-49	47	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Apr-49	47	1000							
Totals								*0.0008*	*0.0018*	*0.0017*	*0.0002*	*0.0001*	*5.8219*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place station box structure														
				Jul-46	Nov-47	17	349							
				Jul-46	Nov-47	17	349							
				Jul-46	Nov-47	17	349							
				Jul-46	Nov-47	17	349							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Nov-47	17	349							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-46	Nov-47	17	349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-46	Nov-47	17	349							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Jul-46	Nov-47	17	349	0.0048	0.0185	0.0045	0.0007	0.0005	13.1596	0.0001
				Jul-46	Nov-47	17	349							
Totals								*0.0048*	*0.0185*	*0.0045*	*0.0007*	*0.0005*	*13.1596*	*0.0001*
MEP and Architectural finish work														
				Nov-47	Nov-48	13	275							
				Nov-47	Nov-48	13	275							
				Nov-47	Nov-48	13	275							
				Nov-47	Nov-48	13	275							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Nov-48	13	275							
Deliveries Traveling to site	Number of Vehicles	10	66	Nov-47	Nov-48	13	275	0.0010	0.0023	0.0023	0.0002	0.0001	7.8409	0.0001
				Nov-47	Nov-48	13	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Nov-48	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Nov-48	13	275							
Totals								*0.0010*	*0.0023*	*0.0023*	*0.0002*	*0.0001*	*7.8409*	*0.0001*
Backfill														
				Nov-47	May-48	7	131							
				Nov-47	May-48	7	131							
				Nov-47	May-48	7	131							
				Nov-47	May-48	7	131							
Trucks Traveling to site	Number of Vehicles	62		Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	May-48	7	131							
Deliveries Traveling to site	Number of Vehicles	0	66	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	May-48	7	131							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	May-48	7	131	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	May-48	7	131							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking removal - 4 weekends							*Prorated*							
				Apr-48	May-48	2	12							
				Apr-48	May-48	2	12							
				Apr-48	May-48	2	12							
				Apr-48	May-48	2	12							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-48	May-48	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	May-48	2	12							
Deliveries Traveling to site	Number of Vehicles	13	66	Apr-48	May-48	2	12	0.0004	0.0008	0.0009	0.0001	0.0001	2.8279	0.0000
				Apr-48	May-48	2	12							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-48	May-48	2	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	May-48	2	12							
Totals								*0.0004*	*0.0008*	*0.0009*	*0.0001*	*0.0001*	*2.8279*	*0.0000*
Surface Restoration														
				May-48	Jan-49	9	185							
				May-48	Jan-49	9	185							
				May-48	Jan-49	9	185							
				May-48	Jan-49	9	185							
Trucks Traveling to site	Number of Vehicles	0	66	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Jan-49	9	185							
Deliveries Traveling to site	Number of Vehicles	6	66	May-48	Jan-49	9	185	0.0006	0.0013	0.0014	0.0001	0.0001	4.4714	0.0000
				May-48	Jan-49	9	185							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-48	Jan-49	9	185	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-48	Jan-49	9	185							
Totals								*0.0006*	*0.0013*	*0.0014*	*0.0001*	*0.0001*	*4.4714*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/30/2041	1/30/2042	7	133	0.006	0.005	0.000	0.000	0.000	2.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/30/2041	1/30/2042	7	133	0.030	0.002	0.000	0.000	0.000	9.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/30/2041	1/30/2042	7	133	0.034	0.003	0.000	0.000	0.002	5.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2041	1/30/2042	7	133	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.070*	*0.010*	*0.000*	*0.000*	*0.002*	*17*	*0.000*
Utility Relcoation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/15/2042	9/22/2042	9	179	0.021	0.004	0.000	0.000	0.003	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/15/2042	9/22/2042	9	179	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/15/2042	9/22/2042	9	179	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2042	9/22/2042	9	179	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.085*	*0.022*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	5/6/2042	9/6/2042	5	89	0.025	0.003	0.000	0.000	0.000	17.8	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	5/6/2042	9/6/2042	5	89	0.202	0.020	0.001	0.001	0.004	79.3	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	5/6/2042	9/6/2042	5	89	0.025	0.002	0.000	0.000	0.000	10.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.036	0.009	0.001	0.000	0.005	18.1	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.024	0.003	0.000	0.000	0.001	3.9	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	5/6/2042	9/6/2042	5	89	0.021	0.002	0.000	0.000	0.001	3.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	5/6/2042	9/6/2042	5	89	0.013	0.010	0.000	0.000	0.000	6.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/6/2042	5	89	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.346*	*0.048*	*0.002*	*0.002*	*0.012*	*141*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	8/6/2042	10/29/2042	3	61	0.0034	0.0027	0.0000	0.0000	0.0002	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	8/6/2042	10/29/2042	3	61	0.0249	0.0025	0.0001	0.0001	0.0005	14.3	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	8/6/2042	10/29/2042	3	61	0.0083	0.0007	0.0001	0.0001	0.0004	1.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2042	10/29/2042	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.059*	*0.008*	*0.000*	*0.000*	*0.001*	*32*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/29/2042	6/29/2043	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/29/2042	6/29/2043	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.002	0.000	0.000	0.000	12.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.020	0.001	0.001	0.001	6.2	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/29/2042	6/29/2043	9	174	0.019	0.024	0.001	0.001	0.001	7.8	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/29/2042	6/29/2043	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/29/2042	6/29/2043	9	174	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/29/2042	6/29/2043	9	174	0.010	0.001	0.000	0.000	0.000	3.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/29/2042	6/29/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.126*	*0.099*	*0.003*	*0.003*	*0.006*	*72*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/27/2044	2/19/2046	15	300	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/27/2044	2/19/2046	15	300	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/27/2044	2/19/2046	15	300	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	2/19/2046	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/20/2046	2/18/2047	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	2/20/2046	2/18/2047	13	260	0.043	0.003	0.000	0.000	0.001	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	2/18/2047	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.137*	*0.021*	*0.001*	*0.001*	*0.014*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	3.1	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.016	0.002	0.000	0.000	0.000	8.4	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.024	0.002	0.000	0.000	0.001	4.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/20/2046	8/20/2046	7	130	0.007	0.005	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2046	8/20/2046	7	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.009*	*0.000*	*0.000*	*0.002*	*19*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0110	0.0011	0.0000	0.0000	0.0002	7.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0114	0.0011	0.0000	0.0000	0.0002	8.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	8/6/2046	10/29/2046	3	61	0.0134	0.0106	0.0000	0.0000	0.0007	2.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	8/6/2046	10/29/2046	3	61	0.0229	0.0023	0.0001	0.0001	0.0004	13.1	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	8/6/2046	10/29/2046	3	61	0.0541	0.0045	0.0003	0.0003	0.0031	8.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/6/2046	10/29/2046	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.113*	*0.020*	*0.001*	*0.001*	*0.005*	*40*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.016	0.002	0.000	0.000	0.000	8.6	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.020	0.004	0.000	0.000	0.003	9.2	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	8/20/2046	4/15/2047	9	171	0.019	0.004	0.000	0.000	0.003	8.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/20/2046	4/15/2047	9	171	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.073*	*0.012*	*0.001*	*0.001*	*0.006*	*39*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-41	Jan-42	7	133			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-41	Jan-42	7	133			0.0099	0.0075			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-41	Jan-42	7	133			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-41	Jan-42	7	133	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0076*	*0.0000*	*0.0210*	*0.0000*
Utility Relcoation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Sep-42	9	179			0.0223	0.0132			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Sep-42	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0115	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0223*	*0.0132*	*0.0000*	*0.0118*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-42	Sep-42	5	89			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-42	Sep-42	5	89			0.0200	0.0118			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		May-42	Sep-42	5	89			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	May-42	Sep-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0210	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	May-42	Sep-42	5	89	0.0000	0.0001	0.0000	0.0000	0.0000	0.0295	0.0000
				0.00	May-42	Sep-42	5	89	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0206*	*0.0119*	*0.0000*	*0.0610*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-42	Oct-42	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-42	Oct-42	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-42	Oct-42	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0226	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-42	Oct-42	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0231*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jun-43	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-42	Jun-43	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt		Oct-42	Jun-43	9	174			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	96	20	8.00	Oct-42	Jun-43	9	174	0.0005	0.0003	0.0000	0.0000	0.0000	0.0686	0.0000
Trucks Traveling on site	Number of Vehicles	96	Paved	9.60	Oct-42	Jun-43	9	174	0.0005	0.0017	0.0001	0.0000	0.0001	0.4388	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0020*	*0.0454*	*0.0259*	*0.0001*	*0.5075*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Feb-46	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Feb-46	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Feb-46	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0059	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-44	Feb-46	15	300	0.0000	0.0001	0.0000	0.0000	0.0000	0.0371	0.0000
				0.00	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0430*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-46	Feb-47	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-46	Feb-47	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-46	Feb-47	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0253	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0260*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-46	Aug-46	7	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-46	Aug-46	7	130			0.0208	0.0123			
Truck Loading Dust	Tons of material being loaded per day	600	Dirt		Feb-46	Aug-46	7	130			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	50	12	4.17	Feb-46	Aug-46	7	130	0.0003	0.0002	0.0000	0.0000	0.0000	0.0347	0.0000
Trucks Traveling on site	Number of Vehicles	50	Paved	5.00	Feb-46	Aug-46	7	130	0.0002	0.0008	0.0000	0.0000	0.0000	0.2123	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0215*	*0.0124*	*0.0000*	*0.2470*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Oct-46	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Oct-46	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Oct-46	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Oct-46	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Apr-47	9	171			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Aug-46	Apr-47	9	171			0.0107	0.0063			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Apr-47	9	171			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0072	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0107*	*0.0063*	*0.0000*	*0.0074*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
				Jul-41	Jan-42	7	133							
Trucks Traveling to site	Number of Vehicles	4	66	Jul-41	Jan-42	7	133	0.0026	0.0089	0.0021	0.0003	0.0003	6.3314	0.0001
				Jul-41	Jan-42	7	133							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	133							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-41	Jan-42	7	133	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	133							
Totals								*0.0026*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3314*	*0.0001*
Utility Relcoation & Site Preparation														
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
				Jan-42	Sep-42	9	179							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	179							
Deliveries Traveling to site	Number of Vehicles	4	66	Jan-42	Sep-42	9	179	0.0005	0.0011	0.0009	0.0001	0.0001	3.4462	0.0000
				Jan-42	Sep-42	9	179							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-42	Sep-42	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	179							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4462*	*0.0000*
Shoring														
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
				May-42	Sep-42	5	89							
Trucks Traveling to site	Number of Vehicles	5	66	May-42	Sep-42	5	89	0.0029	0.0103	0.0024	0.0004	0.0003	7.3366	0.0001
				May-42	Sep-42	5	89							
Deliveries Traveling to site	Number of Vehicles	1	66	May-42	Sep-42	5	89	0.0001	0.0003	0.0002	0.0000	0.0000	0.7711	0.0000
				May-42	Sep-42	5	89							
Cement Trucks Traveling to site	Number of Vehicles	7	66	May-42	Sep-42	5	89	0.0041	0.0144	0.0034	0.0005	0.0004	10.2713	0.0001
				May-42	Sep-42	5	89							
Totals								*0.0072*	*0.0250*	*0.0060*	*0.0009*	*0.0008*	*18.3790*	*0.0002*
Decking 12 weekends							*Prorated*							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
				Aug-42	Oct-42	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Oct-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Oct-42	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-42	Oct-42	3	36	0.0009	0.0022	0.0017	0.0002	0.0001	6.7577	0.0001
				Aug-42	Oct-42	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-42	Oct-42	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Oct-42	3	36							
Totals								*0.0009*	*0.0022*	*0.0017*	*0.0002*	*0.0001*	*6.7577*	*0.0001*
Excavation														
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
Trucks Traveling to site	Number of Vehicles	96	66	Oct-42	Jun-43	9	174	0.0612	0.2152	0.0506	0.0075	0.0065	152.9979	0.0014
				Oct-42	Jun-43	9	174							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Totals								*0.0612*	*0.2152*	*0.0506*	*0.0075*	*0.0065*	*152.9979*	*0.0014*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
				Dec-44	Feb-46	15	300							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Feb-46	15	300							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-44	Feb-46	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Feb-46	15	300							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Dec-44	Feb-46	15	300	0.0050	0.0183	0.0044	0.0006	0.0005	12.9729	0.0001
				Dec-44	Feb-46	15	300							
Totals								*0.0050*	*0.0183*	*0.0044*	*0.0006*	*0.0005*	*12.9729*	*0.0001*
MEP and Architectural finish work														
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
				Feb-46	Feb-47	13	260							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Feb-47	13	260							
Deliveries Traveling to site	Number of Vehicles	10	66	Feb-46	Feb-47	13	260	0.0010	0.0023	0.0022	0.0002	0.0001	7.6015	0.0001
				Feb-46	Feb-47	13	260							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Feb-47	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Feb-47	13	260							
Totals								*0.0010*	*0.0023*	*0.0022*	*0.0002*	*0.0001*	*7.6015*	*0.0001*
Backfill														
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
				Feb-46	Aug-46	7	130							
Trucks Traveling to site	Number of Vehicles	50	66	Feb-46	Aug-46	7	130	0.0271	0.1047	0.0252	0.0037	0.0028	74.4032	0.0007
				Feb-46	Aug-46	7	130							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Aug-46	7	130							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-46	Aug-46	7	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Aug-46	7	130							
Totals								*0.0271*	*0.1047*	*0.0252*	*0.0037*	*0.0028*	*74.4032*	*0.0007*
Decking Removal - 12 weekends							*Prorated*							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
				Aug-46	Oct-46	3	36							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Oct-46	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Oct-46	3	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Aug-46	Oct-46	3	36	0.0008	0.0018	0.0017	0.0002	0.0001	5.9291	0.0001
				Aug-46	Oct-46	3	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Oct-46	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Oct-46	3	36							
Totals								*0.0008*	*0.0018*	*0.002*	*0.0002*	*0.0001*	*5.9291*	*0.0001*
Surface Restoration														
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
				Aug-46	Apr-47	9	171							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Apr-47	9	171							
Deliveries Traveling to site	Number of Vehicles	3	66	Aug-46	Apr-47	9	171	0.0003	0.0006	0.0006	0.0001	0.0000	2.1664	0.0000
				Aug-46	Apr-47	9	171							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-46	Apr-47	9	171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Apr-47	9	171							
Totals								*0.0003*	*0.0006*	*0.0006*	*0.0001*	*0.0000*	*2.1664*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	5/6/2042	9/3/2042	5	87	0.006	0.004	0.000	0.000	0.000	2.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	5/6/2042	9/3/2042	5	87	0.028	0.002	0.000	0.000	0.000	8.5	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	5/6/2042	9/3/2042	5	87	0.031	0.003	0.000	0.000	0.002	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/6/2042	9/3/2042	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.065*	*0.009*	*0.000*	*0.000*	*0.002*	*16*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.017	0.015	0.000	0.000	0.001	2.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	9/3/2042	2/23/2043	6	124	0.022	0.004	0.000	0.000	0.003	10.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/3/2042	2/23/2043	6	124	0.011	0.001	0.000	0.000	0.000	3.4	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	9/3/2042	2/23/2043	6	124	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2042	2/23/2043	6	124	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.088*	*0.023*	*0.001*	*0.001*	*0.006*	*33*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/2/2042	2/2/2043	3	45	0.021	0.002	0.000	0.000	0.000	15.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/2/2042	2/2/2043	3	45	0.113	0.011	0.000	0.000	0.002	44.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	12/2/2042	2/2/2043	3	45	0.011	0.001	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.015	0.004	0.000	0.000	0.002	7.6	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.010	0.001	0.000	0.000	0.000	1.7	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/2/2042	2/2/2043	3	45	0.018	0.002	0.000	0.000	0.001	2.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	12/2/2042	2/2/2043	3	45	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/2/2042	2/2/2043	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.193*	*0.025*	*0.001*	*0.001*	*0.006*	*80*	*0.001*
Decking - 3 Weekends														*Modified to reflect weekend only (multiplied by 9/18)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/2/2043	2/25/2043	1	18	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/2/2043	2/25/2043	1	18	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/2/2043	2/25/2043	1	18	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2043	2/25/2043	1	18	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.044*	*0.006*	*0.000*	*0.000*	*0.001*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/25/2043	9/21/2043	8	149	0.009	0.001	0.000	0.000	0.000	6.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	2/25/2043	9/21/2043	8	149	0.026	0.042	0.001	0.001	0.001	14.0	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.017	0.002	0.000	0.000	0.000	11.9	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.017	0.019	0.001	0.001	0.001	6.0	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	2/25/2043	9/21/2043	8	149	0.018	0.023	0.001	0.001	0.001	7.5	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.018	0.003	0.000	0.000	0.002	8.3	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/25/2043	9/21/2043	8	149	0.000	0.000	0.000	0.000	0.000	8.7	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	2/25/2043	9/21/2043	8	149	0.007	0.005	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/25/2043	9/21/2043	8	149	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2043	9/21/2043	8	149	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.122*	*0.096*	*0.003*	*0.003*	*0.006*	*69*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Disassembly of TBM and Relocate														*Updated emissions on crane to reflect 6 days of work (divided by 6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	3/8/2044	5/2/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	3/8/2044	5/2/2044	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/8/2044	5/2/2044	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	5/2/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place connection structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/8/2044	12/26/2044	10	210	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.016	0.001	0.000	0.000	0.000	8.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/8/2044	12/26/2044	10	210	0.016	0.002	0.000	0.000	0.000	9.4	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	9.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/8/2044	12/26/2044	10	210	0.011	0.001	0.000	0.000	0.000	3.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/8/2044	12/26/2044	10	210	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.053*	*0.005*	*0.000*	*0.000*	*0.001*	*40*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/27/2044	8/7/2045	9	160	0.013	0.001	0.000	0.000	0.000	7.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.002	0.000	0.000	0.001	4.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.002	0.000	0.000	0.001	4.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/27/2044	8/7/2045	9	160	0.009	0.001	0.000	0.000	0.000	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/27/2044	8/7/2045	9	160	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.041*	*0.005*	*0.000*	*0.000*	*0.003*	*18*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	2.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.013	0.001	0.000	0.000	0.000	6.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.019	0.002	0.000	0.000	0.001	3.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/21/2045	5/22/2045	3	45	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/21/2045	5/22/2045	3	45	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.037*	*0.007*	*0.000*	*0.000*	*0.001*	*15*	*0.000*
Decking Removal - 3 weekends														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0041	0.0004	0.0000	0.0000	0.0001	2.9	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0043	0.0004	0.0000	0.0000	0.0001	3.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	5/22/2045	6/12/2045	2	16	0.0050	0.0040	0.0000	0.0000	0.0003	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	5/22/2045	6/12/2045	2	16	0.0086	0.0009	0.0000	0.0000	0.0002	4.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	5/22/2045	6/12/2045	2	16	0.0203	0.0017	0.0001	0.0001	0.0012	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/22/2045	6/12/2045	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.042*	*0.007*	*0.000*	*0.000*	*0.002*	*15*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.008	0.001	0.000	0.000	0.000	5.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.007	0.001	0.000	0.000	0.000	3.9	0.000
Roller -300	Fleet Average	210	Diesel	1	0.31	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.009	0.002	0.000	0.000	0.001	4.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	6/5/2045	10/2/2045	5	86	0.009	0.002	0.000	0.000	0.001	3.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2045	10/2/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.033*	*0.005*	*0.000*	*0.000*	*0.003*	*18*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-42	Sep-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		May-42	Sep-42	5	87			0.0091	0.0069			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		May-42	Sep-42	5	87			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0093*	*0.0069*	*0.0000*	*0.0095*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Feb-43	6	124			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Sep-42	Feb-43	6	124			0.0216	0.0163			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Sep-42	Feb-43	6	124			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0120	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0216*	*0.0163*	*0.0000*	*0.0123*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-42	Feb-43	3	45			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Dec-42	Feb-43	3	45			0.0084	0.0050			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-42	Feb-43	3	45			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-42	Feb-43	3	45	0.0000	0.0001	0.0000	0.0000	0.0000	0.0177	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-42	Feb-43	3	45	0.0000	0.0001	0.0000	0.0000	0.0000	0.0248	0.0000
				0.00	Dec-42	Feb-43	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0090*	*0.0050*	*0.0000*	*0.0514*	*0.0000*
Decking - 3 Weekends									*Emissions prorated for weekend work - mulitplied by 9/18*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Feb-43	1	18			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Aggregate		Feb-43	Feb-43	1	18			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-43	Feb-43	1	18			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	5		0.42	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	0.50	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0063	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Feb-43	1	18	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0064*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Sep-43	8	149			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Feb-43	Sep-43	8	149			0.0418	0.0246			
Truck Loading Dust	Tons of material being loaded per day	120	Dirt		Feb-43	Sep-43	8	149			0.0001	0.0000			
Truck Loading on site - idling	Number of Vehicles	10	12	0.83	Feb-43	Sep-43	8	149	0.0001	0.0000	0.0000	0.0000	0.0000	0.0069	0.0000
Trucks Traveling on site	Number of Vehicles	10	Paved	1.00	Feb-43	Sep-43	8	149	0.0000	0.0002	0.0000	0.0000	0.0000	0.0436	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0419*	*0.0247*	*0.0000*	*0.0505*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	May-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	May-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	May-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0018*	*0.0000*
Cast-in-place connection structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Dec-44	10	210			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Dec-44	10	210			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Dec-44	10	210			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	2		0.17	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Cement Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
				0.00	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0113*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Aug-45	9	160			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Aug-45	9	160			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Aug-45	9	160			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0049*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	May-45	3	45			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-45	May-45	3	45			0.0168	0.0099			
Truck Loading Dust	Tons of material being loaded per day	204	Dirt		Mar-45	May-45	3	45			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	17	12	1.42	Mar-45	May-45	3	45	0.0001	0.0000	0.0000	0.0000	0.0000	0.0095	0.0000
Trucks Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-45	May-45	3	45	0.0001	0.0002	0.0000	0.0000	0.0000	0.0587	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0170*	*0.0099*	*0.0000*	*0.0682*	*0.0000*
Decking Removal - 3 weekends									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-45	Jun-45	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-45	Jun-45	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-45	Jun-45	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0041	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-45	Jun-45	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0042*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Oct-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	2	Dirt		Jun-45	Oct-45	5	86			0.0048	0.0028			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Oct-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0048*	*0.0028*	*0.0000*	*0.0023*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
				May-42	Sep-42	5	87							
Trucks Traveling to site	Number of Vehicles	2	66	May-42	Sep-42	5	87	0.0011	0.0040	0.0009	0.0001	0.0001	2.8687	0.0000
				May-42	Sep-42	5	87							
Deliveries Traveling to site	Number of Vehicles	0	66	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Sep-42	5	87							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-42	Sep-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-42	Sep-42	5	87							
Totals								*0.0011*	*0.0040*	*0.0009*	*0.0001*	*0.0001*	*2.8687*	*0.0000*
Utility Relocation & Site Preparation														
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
				Sep-42	Feb-43	6	124							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	124							
Deliveries Traveling to site	Number of Vehicles	4	66	Sep-42	Feb-43	6	124	0.0005	0.0012	0.0009	0.0001	0.0001	3.5810	0.0000
				Sep-42	Feb-43	6	124							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Feb-43	6	124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Feb-43	6	124							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5810*	*0.0000*
Shoring														
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
				Dec-42	Feb-43	3	45							
Trucks Traveling to site	Number of Vehicles	5	66	Dec-42	Feb-43	3	45	0.0025	0.0087	0.0020	0.0003	0.0003	6.1826	0.0001
				Dec-42	Feb-43	3	45							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-42	Feb-43	3	45	0.0001	0.0002	0.0002	0.0000	0.0000	0.6498	0.0000
				Dec-42	Feb-43	3	45							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Dec-42	Feb-43	3	45	0.0035	0.0122	0.0029	0.0004	0.0004	8.6556	0.0001
				Dec-42	Feb-43	3	45							
Totals								*0.0060*	*0.0211*	*0.0051*	*0.0007*	*0.0006*	*15.4879*	*0.0001*
Decking - 3 Weekends							*Prorated*							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
				Feb-43	Feb-43	1	9							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-43	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-43	1	9							
Deliveries Traveling to site	Number of Vehicles	5	66	Feb-43	Feb-43	1	9	0.0003	0.0006	0.0005	0.0001	0.0000	1.8781	0.0000
				Feb-43	Feb-43	1	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Feb-43	1	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Feb-43	1	9							
Totals								*0.0003*	*0.0006*	*0.0005*	*0.0001*	*0.0000*	*1.8781*	*0.0000*
Excavation														
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
				Feb-43	Sep-43	8	149							
Trucks Traveling to site	Number of Vehicles	10	66	Feb-43	Sep-43	8	149	0.0059	0.0214	0.0051	0.0008	0.0006	15.2171	0.0001
				Feb-43	Sep-43	8	149							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Sep-43	8	149							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Sep-43	8	149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Sep-43	8	149							
Totals								*0.0059*	*0.0214*	*0.0051*	*0.0008*	*0.0006*	*15.2171*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Disassembly of TBM and Relocate														
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
				Mar-44	May-44	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	May-44	3	40							
Deliveries Traveling to site	Number of Vehicles	1	66	Mar-44	May-44	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5377	0.0000
				Mar-44	May-44	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	May-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	May-44	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5377*	*0.0000*
Cast-in-place connection structure														
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
				Mar-44	Dec-44	10	210							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	210							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	210	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	210							
Cement Trucks Traveling to site	Number of Vehicles	2	66	Mar-44	Dec-44	10	210	0.0013	0.0048	0.0011	0.0002	0.0001	3.4054	0.0000
				Mar-44	Dec-44	10	210							
Totals								*0.0013*	*0.0048*	*0.0011*	*0.0002*	*0.0001*	*3.4054*	*0.0000*
MEP and Architectural finish work														
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
				Dec-44	Aug-45	9	160							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Aug-45	9	160							
Deliveries Traveling to site	Number of Vehicles	2	66	Dec-44	Aug-45	9	160	0.0002	0.0004	0.0004	0.0000	0.0000	1.4338	0.0000
				Dec-44	Aug-45	9	160							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-44	Aug-45	9	160	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Aug-45	9	160							
Totals								*0.0002*	*0.0004*	*0.0004*	*0.0000*	*0.0000*	*1.4338*	*0.0000*
Backfill														
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
				Mar-45	May-45	3	45							
Trucks Traveling to site	Number of Vehicles	17	66	Mar-45	May-45	3	45	0.0077	0.0289	0.0069	0.0010	0.0008	20.5427	0.0002
				Mar-45	May-45	3	45							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	May-45	3	45							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-45	May-45	3	45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	May-45	3	45							
Totals								*0.0077*	*0.0289*	*0.007*	*0.0010*	*0.0008*	*20.5427*	*0.0002*
Decking Removal - 3 weekends							*Prorated*							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
				May-45	Jun-45	2	9							
Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-45	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-45	2	9							
Deliveries Traveling to site	Number of Vehicles	7	66	May-45	Jun-45	2	9	0.0002	0.0004	0.0003	0.0000	0.0000	1.2313	0.0000
				May-45	Jun-45	2	9							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-45	Jun-45	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Jun-45	2	9							
Totals								*0.0002*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.2313*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Value	Miles traveled per day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration														
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
				Jun-45	Oct-45	5	86							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Oct-45	5	86							
Deliveries Traveling to site	Number of Vehicles	1	66	Jun-45	Oct-45	5	86	0.0001	0.0002	0.0002	0.0000	0.0000	0.6724	0.0000
				Jun-45	Oct-45	5	86							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-45	Oct-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Oct-45	5	86							
Totals								*0.0001*	*0.0002*	*0.0002*	*0.0000*	*0.0000*	*0.6724*	*0.0000*

K LINE NORTHERN EXTENSION - Section 2 - LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.11	0.41	2.11	0.01	0.01	0.01	637
2042	0.29	1.81	6.45	0.03	0.06	0.05	3,282
2043	0.39	4.10	8.41	0.03	0.11	0.11	4,918
2044	0.27	3.15	7.48	0.03	0.08	0.08	5,314
2045	0.26	1.60	7.61	0.03	0.05	0.05	4,343
2046	0.52	1.75	10.58	0.05	0.06	0.06	5,224
2047	0.36	0.97	5.78	0.03	0.04	0.04	2,725
2048	0.07	0.13	0.81	0.00	0.01	0.01	404
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.42	0.27	1
2042	0.00	0.02	0.01	0.00	1.02	0.59	5
2043	0.00	0.08	0.04	0.00	1.78	1.05	20
2044	0.00	0.04	0.02	0.00	1.20	0.75	11
2045	0.00	0.02	0.01	0.00	0.77	0.51	6
2046	0.00	0.02	0.01	0.00	0.76	0.51	7
2047	0.00	0.01	0.00	0.00	0.40	0.26	2
2048	0.00	0.00	0.00	0.00	0.08	0.05	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.24	0.07	0.00	0.06	0.01	201
2042	0.06	1.91	0.55	0.01	0.47	0.07	1,436
2043	0.24	8.09	2.26	0.05	1.95	0.29	5,873
2044	0.14	4.59	1.27	0.03	1.13	0.17	3,409
2045	0.06	2.24	0.60	0.02	0.57	0.08	1,733
2046	0.07	2.45	0.66	0.02	0.66	0.09	1,995
2047	0.02	0.62	0.17	0.01	0.20	0.03	607
2048	0.00	0.01	0.00	0.00	0.01	0.00	31
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.26	0.00	0.01	0.00	100
2042	0.01	0.04	1.00	0.00	0.02	0.01	387
2043	0.01	0.05	1.39	0.01	0.03	0.01	541
2044	0.02	0.06	1.74	0.01	0.04	0.01	680
2045	0.01	0.05	1.53	0.01	0.03	0.01	600
2046	0.02	0.06	1.76	0.01	0.04	0.02	690
2047	0.01	0.03	1.01	0.00	0.02	0.01	396
2048	0.00	0.01	0.42	0.00	0.01	0.00	166
2049	0.00	0.00	0.09	0.00	0.00	0.00	36
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.66	2.45	0.01	0.50	0.29	939
2042	0.36	3.77	8.01	0.05	1.57	0.73	5,110
2043	0.65	12.31	12.09	0.09	3.87	1.45	11,351
2044	0.43	7.85	10.51	0.07	2.46	1.01	9,415
2045	0.34	3.90	9.76	0.06	1.43	0.66	6,681
2046	0.61	4.28	13.01	0.07	1.52	0.67	7,916
2047	0.39	1.62	6.96	0.03	0.66	0.33	3,730
2048	0.08	0.15	1.24	0.01	0.11	0.06	601
2049	0.00	0.00	0.09	0.00	0.00	0.00	36
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	2.96	34.55	64.11	0.39	12.11	5.20	45,777
BTUs							
CO2e (tons)							46,189
CO2 (metric tons)							41,529
CO2e (metric tons)							41,902

K LINE NORTHERN EXTENSION - Section 2 - LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	16	0	0	0
2042	2	14	49	0	0	0
2043	3	31	64	0	1	1
2044	2	24	57	0	1	1
2045	2	12	58	0	0	0
2046	4	13	81	0	0	0
2047	3	7	44	0	0	0
2048	1	1	6	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*4*	*31*	*81*	*0*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	8	5
2043	0	1	0	0	14	8
2044	0	0	0	0	9	6
2045	0	0	0	0	6	4
2046	0	0	0	0	6	4
2047	0	0	0	0	3	2
2048	0	0	0	0	1	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*0*	*0*	*14*	*8*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	0	0
2042	0	15	4	0	4	1
2043	2	62	17	0	15	2
2044	1	35	10	0	9	1
2045	0	17	5	0	4	1
2046	1	19	5	0	5	1
2047	0	5	1	0	1	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*2*	*62*	*17*	*0*	*15*	*2*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	8	0	0	0
2043	0	0	11	0	0	0
2044	0	0	13	0	0	0
2045	0	0	12	0	0	0
2046	0	0	13	0	0	0
2047	0	0	8	0	0	0
2048	0	0	3	0	0	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*13*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	5	19	0	4	2
2042	3	29	61	0	12	6
2043	5	94	92	1	30	11
2044	3	60	80	1	19	8
2045	3	30	74	0	11	5
2046	5	33	99	1	12	5
2047	3	12	53	0	5	3
2048	1	1	9	0	1	0
2049	0	0	1	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*5*	*94*	*99*	*1*	*30*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 2 - LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.09	0.31	1.19	0.00	0.01	0.01	444
2044	0.11	0.65	2.44	0.01	0.01	0.01	1,043
2045	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.04	0.31	1.13	0.00	0.01	0.00	519
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.01	0.00	0.00	0.34	0.23	2
2044	0.00	0.01	0.00	0.00	0.48	0.34	1
2045	0.00	0.00	0.00	0.00	0.40	0.30	0
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.17	0.13	0
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.02	0.74	0.21	0.00	0.18	0.03	526
2044	0.02	0.58	0.16	0.00	0.14	0.02	441
2045	0.00	0.08	0.03	0.00	0.03	0.00	112
2046	0.00	0.08	0.03	0.00	0.03	0.00	112
2047	0.00	0.03	0.01	0.00	0.01	0.00	47
2048	0.00	0.00	0.00	0.00	0.00	0.00	-
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	0.00	0.01	0.17	0.00	0.00	0.00	64
2044	0.00	0.01	0.33	0.00	0.01	0.00	128
2045	0.00	0.01	0.36	0.00	0.01	0.00	140
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.00	0.13	0.00	0.00	0.00	51
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	0.11	1.07	1.57	0.01	0.53	0.26	1,036
2044	0.14	1.24	2.93	0.01	0.64	0.37	1,615
2045	0.10	0.83	3.10	0.01	0.45	0.32	1,498
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,498
2047	0.04	0.34	1.27	0.01	0.19	0.13	617
2048	0.00	0.00	0.07	0.00	0.00	0.00	26
2049	0.00	0.00	0.02	0.00	0.00	0.00	9
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-
Total for MSF (US Tons)	0.48	4.31	12.05	0.06	2.26	1.41	6,298
BTUs							
CO2e (tons)							6,355
CO2 (metric tons)							5,714
CO2e (metric tons)							5,765

K LINE NORTHERN EXTENSION - Section 2 - LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	1	2	9	0	0	0
2044	1	5	19	0	0	0
2045	1	6	21	0	0	0
2046	1	6	21	0	0	0
2047	0	2	9	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*6*	*21*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	3	2
2044	0	0	0	0	4	3
2045	0	0	0	0	3	2
2046	0	0	0	0	3	2
2047	0	0	0	0	1	1
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*4*	*3*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	6	2	0	1	0
2044	0	4	1	0	1	0
2045	0	1	0	0	0	0
2046	0	1	0	0	0	0
2047	0	0	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*6*	*2*	*0*	*1*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	1	0	0	0
2044	0	0	3	0	0	0
2045	0	0	3	0	0	0
2046	0	0	3	0	0	0
2047	0	0	1	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*3*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	1	8	12	0	4	2
2044	1	9	22	0	5	3
2045	1	6	24	0	3	2
2046	1	6	24	0	3	2
2047	0	3	10	0	1	1
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*1*	*9*	*24*	*0*	*5*	*3*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.1290	0.1290	0.1290	0.2129	0.0839	0.0839	0.0839	0.0839	0.0839	0.0839
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0065	0.0070	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1356	0.1356	0.1356	0.2201	0.0844	0.0844	0.0844	0.0844	0.0844	0.0844
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2189	0.0842	0.0842	0.0842
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0086	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2276	0.0847	0.0847	0.0847
All Areas	Equipment	0.0000	0.0000	0.1290	0.1290	0.2637	0.3476	0.2186	0.2186	0.3028	0.1681	0.1681	0.1681
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0065	0.0065	0.0146	0.0151	0.0086	0.0086	0.0091	0.0010	0.0010	0.0010
1.4013	Total	0.000	0.000	0.136	0.136	0.279	0.363	0.227	0.227	0.312	0.169	0.169	0.169
YEARLY TOTALS		2.187											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0025	0.0025	0.0025	0.0025
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0735	0.0735	0.0735	0.0735	0.0735
HH	Equipment	0.0839	0.0839	0.0839	0.4305	0.4305	0.4305	0.4305	0.4305	0.4305	0.3466	0.4349	0.0883
	Activity	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0351	0.0351	0.0351	0.0351	0.0351	0.0351	0.0346	0.0353	0.0007
	Total	0.0844	0.0844	0.0844	0.4662	0.4662	0.4662	0.4662	0.4662	0.4662	0.3818	0.4708	0.0890
LBSM	Equipment	0.3384	0.3899	0.3899	0.2129	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0073	0.0081	0.0081	0.0259	0.0254	0.0254	0.0254	0.0254	0.0254	0.0257	0.0254	0.0254
	Total	0.3458	0.3981	0.3981	0.2392	0.1544	0.1544	0.1544	0.1544	0.1544	0.1884	0.1544	0.1544
All Areas	Equipment	0.4223	0.4738	0.4738	0.6434	0.5592	0.5592	0.5592	0.6301	0.6301	0.5799	0.6345	0.2879
TOTALS	Activity	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0005
	Hauling	0.0078	0.0086	0.0086	0.0610	0.0605	0.0605	0.0605	0.0630	0.0630	0.0629	0.0632	0.0286
1.4013	Total	0.430	0.483	0.483	0.705	0.621	0.621	0.621	0.694	0.694	0.644	0.699	0.317
YEARLY TOTALS		7.011											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294	0.0294
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002	0.2002
LBB	Equipment	0.0710	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0025	0.0004	0.0004	0.0004	0.0072	0.0072	0.0072	0.0079	0.0011	0.0011	0.0601	0.0601
	Total	0.0735	0.0843	0.0843	0.0843	0.4292	0.4292	0.4292	0.4740	0.1291	0.1291	0.1890	0.1890
HH	Equipment	0.0883	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.2581	0.0000	0.0000	0.0000
	Activity	0.0000	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000
	Hauling	0.0007	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.1812	0.0000	0.0000	0.0000
	Total	0.0890	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.4423	0.0000	0.0000	0.0000
LBSM	Equipment	0.1287	0.1287	0.1555	0.1555	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412	0.2412
	Activity	0.0004	0.0004	0.0004	0.0004	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0254	0.0254	0.0255	0.0255	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428	0.0428
	Total	0.1544	0.1544	0.1814	0.1814	0.2847	0.2847	0.2847	0.2847	0.2847	0.2847	0.2847	0.2847
All Areas	Equipment	0.2879	0.4707	0.4975	0.4975	0.9212	1.0916	1.0916	1.1357	0.7977	0.5396	0.5394	0.5394
TOTALS	Activity	0.0005	0.0034	0.0034	0.0034	0.0038	0.0043	0.0043	0.0043	0.0042	0.0012	0.0022	0.0022
	Hauling	0.0286	0.2070	0.2072	0.2072	0.2312	0.2606	0.2606	0.2613	0.2545	0.0733	0.1322	0.1322
1.4013	Total	0.317	0.681	0.708	0.708	1.156	1.356	1.356	1.401	1.056	0.614	0.674	0.674
YEARLY TOTALS		10.703											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.1703	0.1703	0.1703	0.1703	0.1703	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0294	0.0294	0.0294	0.0294	0.0294	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.2002	0.2002	0.2002	0.2002	0.2002	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284
LBB	Equipment	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0601	0.0601	0.0601	0.0601	0.0601	0.0601	0.0601	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1890	0.1890	0.1890	0.1890	0.1890	0.1890	0.1890	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0719	0.0719	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0053	0.0053	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
	Total	0.0773	0.0773	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575
LBSM	Equipment	0.0000	0.0000	0.0864	0.2887	0.2887	0.2887	0.2887	0.2887	0.4881	0.4881	0.4881	0.4881
	Activity	0.0000	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0012	0.0012	0.0012	0.0012
	Hauling	0.0000	0.0000	0.0015	0.0689	0.0689	0.0689	0.0689	0.0689	0.0697	0.0697	0.0697	0.0697
	Total	0.0000	0.0000	0.0879	0.3587	0.3587	0.3587	0.3587	0.3587	0.5589	0.5589	0.5589	0.5589
All Areas	Equipment	0.3701	0.3701	0.4367	0.6391	0.6391	0.6950	0.6950	0.5671	0.7665	0.7665	0.7665	0.7665
TOTALS	Activity	0.0016	0.0016	0.0016	0.0027	0.0027	0.0022	0.0022	0.0013	0.0013	0.0013	0.0013	0.0013
	Hauling	0.0948	0.0948	0.0962	0.1636	0.1636	0.1363	0.1363	0.0762	0.0770	0.0770	0.0770	0.0770
1.4013	Total	0.466	0.466	0.535	0.805	0.805	0.834	0.834	0.845	0.8448	0.8448	0.845	0.845
YEARLY TOTALS		8.769											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284
LBB	Equipment	0.0000	0.0000	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0000	0.0000	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557
HH	Equipment	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.0521	0.2530	0.2530	0.2530	0.2530	0.2530
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0016	0.0016	0.0016	0.0016	0.0016
	Hauling	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0956	0.0956	0.0956	0.0956	0.0956
	Total	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.0575	0.3502	0.3502	0.3502	0.3502	0.3502
LBSM	Equipment	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.2455	0.1994	0.1994	0.1994
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0008	0.0008	0.0008
	Total	0.2476	0.2476	0.2476	0.2476	0.2476	0.2476	0.2476	0.2476	0.2476	0.2002	0.2002	0.2002
All Areas	Equipment	0.5239	0.5239	0.5239	0.5748	0.5748	0.5748	0.5748	0.7756	0.7756	0.7295	0.7295	0.7295
TOTALS	Activity	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0018	0.0018	0.0017	0.0017	0.0017
	Hauling	0.0094	0.0094	0.0094	0.0142	0.0142	0.0142	0.0142	0.1046	0.1046	0.1033	0.1033	0.1033
1.4013	Total	0.533	0.533	0.533	0.589	0.589	0.589	0.589	0.882	0.882	0.835	0.835	0.835
YEARLY TOTALS		8.225											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284	0.2284
LBB	Equipment	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.1942	0.1942	0.1942	0.1942	0.1942	0.2787
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0405	0.0405	0.0405	0.0405	0.0405	0.0410
	Total	0.0557	0.0557	0.0557	0.0557	0.0557	0.0557	0.2353	0.2353	0.2353	0.2353	0.2353	0.3205
HH	Equipment	0.2530	0.2530	0.2530	0.4069	0.4069	0.4069	0.2529	0.2529	0.2529	0.2529	0.2529	0.1073
	Activity	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0956	0.0956	0.0956	0.0020	0.0020	0.0020	0.0014	0.0014	0.0014	0.0014	0.0014	0.0004
	Total	0.3502	0.3502	0.3502	0.4089	0.4089	0.4089	0.2543	0.2543	0.2543	0.2543	0.2543	0.1077
LBSM	Equipment	0.1994	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504	0.2504
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0008	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055
	Total	0.2002	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560	0.2560
All Areas	Equipment	0.7295	0.7805	0.7805	0.9344	0.9344	0.9344	0.9237	0.9237	0.9237	0.9237	0.9237	0.8627
TOTALS	Activity	0.0017	0.0018	0.0018	0.0002	0.0002	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.1033	0.1080	0.1080	0.0144	0.0144	0.0144	0.0495	0.0495	0.0495	0.0495	0.0495	0.0490
1.4013	Total	0.835	0.890	0.890	0.949	0.949	0.949	0.974	0.974	0.974	0.974	0.974	0.913
YEARLY TOTALS		11.245											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2284	0.2284	0.2284	0.2284	0.2284	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.3059	0.3059	0.2214	0.2214	0.2214	0.2214	0.0760	0.0760	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0019	0.0019	0.0013	0.0013	0.0013	0.0013	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000
	Total	0.3079	0.3079	0.2227	0.2227	0.2227	0.2227	0.0763	0.0763	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.1073	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.2504	0.2504	0.2504	0.3369	0.3369	0.1375	0.1852	0.1852	0.1852	0.1852	0.2510	0.3382
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000
	Hauling	0.0055	0.0055	0.0055	0.0017	0.0017	0.0009	0.0249	0.0249	0.0249	0.0249	0.0253	0.0019
	Total	0.2560	0.2560	0.2560	0.3386	0.3386	0.1384	0.2105	0.2105	0.2105	0.2105	0.2767	0.3401
All Areas	Equipment	0.8899	0.7827	0.6981	0.7845	0.7845	0.3588	0.2612	0.2612	0.1852	0.1852	0.2510	0.3382
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000
	Hauling	0.0098	0.0095	0.0089	0.0051	0.0051	0.0023	0.0252	0.0252	0.0249	0.0249	0.0253	0.0019
1.4013	Total	0.900	0.792	0.707	0.790	0.790	0.361	0.287	0.287	0.211	0.211	0.277	0.340
YEARLY TOTALS		5.951											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.2724	0.2724	0.1349	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.2739	0.2739	0.1355	0.1355	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.2724	0.2724	0.1349	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.4013	Total	0.274	0.274	0.135	0.135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.819											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3191	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0177	0.0177	0.0177	0.0399	0.0222	0.0222	0.0222	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0224	0.0236	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.86	Total	0.0000	0.0000	0.0403	0.0403	0.0403	0.0637	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0407	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0289	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0698	0.0234	0.0234	0.0234
All Areas	Equipment	0.0000	0.0000	0.0177	0.0177	0.0362	0.0584	0.0406	0.0406	0.0629	0.0444	0.0444	0.0444
TOTALS	Activity	0.0000	0.0000	0.0002	0.0002	0.0005	0.0005	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0224	0.0224	0.0501	0.0513	0.0288	0.0288	0.0300	0.0024	0.0024	0.0024
1.4091	Total	0.000	0.000	0.040	0.040	0.087	0.110	0.070	0.070	0.093	0.047	0.047	0.047
YEARLY TOTALS		0.651											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0089	0.0089	0.0089	0.0089	0.0089
0.3191	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0187	0.0187	0.0187	0.0187	0.0187
HH	Equipment	0.0222	0.0222	0.0222	0.0728	0.0728	0.0728	0.0728	0.0728	0.0728	0.0506	0.0627	0.0121
	Activity	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0012	0.0000
	Hauling	0.0012	0.0012	0.0012	0.1224	0.1224	0.1224	0.1224	0.1224	0.1224	0.1212	0.1228	0.0016
0.86	Total	0.0234	0.0234	0.0234	0.1963	0.1963	0.1963	0.1963	0.1963	0.1963	0.1730	0.1867	0.0137
LBSM	Equipment	0.0597	0.0667	0.0667	0.1236	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0002	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0243	0.0262	0.0262	0.0903	0.0891	0.0891	0.0891	0.0891	0.0891	0.0900	0.0891	0.0891
	Total	0.0842	0.0932	0.0932	0.2148	0.1913	0.1913	0.1913	0.1913	0.1913	0.1951	0.1913	0.1913
All Areas	Equipment	0.0819	0.0889	0.0889	0.1964	0.1742	0.1742	0.1742	0.1839	0.1839	0.1647	0.1738	0.1232
TOTALS	Activity	0.0002	0.0003	0.0003	0.0020	0.0020	0.0020	0.0020	0.0021	0.0021	0.0021	0.0021	0.0009
	Hauling	0.0255	0.0274	0.0274	0.2127	0.2115	0.2115	0.2115	0.2204	0.2204	0.2200	0.2208	0.0997
1.4091	Total	0.108	0.117	0.117	0.411	0.388	0.388	0.388	0.406	0.406	0.387	0.397	0.224
YEARLY TOTALS		3.735											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058	0.1058
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517	0.1517
LBB	Equipment	0.0097	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008
	Activity	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021
	Hauling	0.0089	0.0010	0.0010	0.0010	0.0253	0.0253	0.0253	0.0268	0.0026	0.0026	0.2163	0.2163
0.3191	Total	0.0187	0.0232	0.0232	0.0232	0.0944	0.0944	0.0944	0.1020	0.0308	0.0308	0.3191	0.3191
HH	Equipment	0.0121	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.2034	0.0000	0.0000	0.0000
	Activity	0.0000	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000
	Hauling	0.0016	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.6525	0.0000	0.0000	0.0000
0.86	Total	0.0137	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.8621	0.0000	0.0000	0.0000
LBSM	Equipment	0.1014	0.1014	0.1036	0.1036	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400	0.1400
	Activity	0.0008	0.0008	0.0008	0.0008	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	Hauling	0.0891	0.0891	0.0895	0.0895	0.1519	0.1519	0.1519	0.1519	0.1519	0.1519	0.1519	0.1519
	Total	0.1913	0.1913	0.1940	0.1940	0.2934	0.2934	0.2934	0.2934	0.2934	0.2934	0.2934	0.2934
All Areas	Equipment	0.1232	0.3269	0.3291	0.3291	0.4123	0.4572	0.4572	0.4632	0.4165	0.2132	0.2858	0.2858
TOTALS	Activity	0.0009	0.0070	0.0070	0.0070	0.0079	0.0089	0.0089	0.0089	0.0086	0.0025	0.0045	0.0045
	Hauling	0.0997	0.7427	0.7431	0.7431	0.8297	0.9355	0.9355	0.9370	0.9128	0.2602	0.4740	0.4740
1.4091	Total	0.224	1.077	1.079	1.079	1.250	1.402	1.402	1.409	1.338	0.476	0.764	0.764
YEARLY TOTALS		12.263											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0450	0.0450	0.0450	0.0450	0.0450	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.1058	0.1058	0.1058	0.1058	0.1058	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.1517	0.1517	0.1517	0.1517	0.1517	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
LBB	Equipment	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2163	0.2163	0.2163	0.2163	0.2163	0.2163	0.2163	0.0000	0.0000	0.0000	0.0000	0.0000
0.3191	Total	0.3191	0.3191	0.3191	0.3191	0.3191	0.3191	0.3191	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0062	0.0062	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0190	0.0190	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189
0.86	Total	0.0254	0.0254	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235
LBSM	Equipment	0.0000	0.0000	0.0425	0.1800	0.1800	0.1800	0.1800	0.1800	0.1993	0.1993	0.1993	0.1993
	Activity	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Hauling	0.0000	0.0000	0.0053	0.2515	0.2515	0.2515	0.2515	0.2515	0.2533	0.2533	0.2533	0.2533
	Total	0.0000	0.0000	0.0479	0.4339	0.4339	0.4339	0.4339	0.4339	0.4550	0.4550	0.4550	0.4550
All Areas	Equipment	0.1519	0.1519	0.1927	0.3302	0.3302	0.3462	0.3462	0.2455	0.2647	0.2647	0.2647	0.2647
TOTALS	Activity	0.0032	0.0032	0.0033	0.0056	0.0056	0.0047	0.0047	0.0026	0.0026	0.0026	0.0026	0.0026
	Hauling	0.3411	0.3411	0.3462	0.5925	0.5925	0.4933	0.4933	0.2770	0.2788	0.2788	0.2788	0.2788
1.4091	Total	0.496	0.496	0.542	0.928	0.928	0.844	0.8442	0.5251	0.5462	0.5462	0.546	0.546
YEARLY TOTALS		7.790											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
LBB	Equipment	0.0000	0.0000	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181
0.3191	Total	0.0000	0.0000	0.0000	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226
HH	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0419	0.0419	0.0419	0.0419	0.0419
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0034	0.0034	0.0034	0.0034	0.0034
	Hauling	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.0189	0.3592	0.3592	0.3592	0.3592	0.3592
0.86	Total	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.0235	0.4045	0.4045	0.4045	0.4045	0.4045
LBSM	Equipment	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0584	0.0193	0.0193	0.0193
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0018	0.0018	0.0018
	Total	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0651	0.0211	0.0211	0.0211
All Areas	Equipment	0.1239	0.1239	0.1239	0.1282	0.1282	0.1282	0.1282	0.1656	0.1656	0.1265	0.1265	0.1265
TOTALS	Activity	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0005	0.0037	0.0037	0.0037	0.0037	0.0037
	Hauling	0.0321	0.0321	0.0321	0.0502	0.0502	0.0502	0.0502	0.3906	0.3906	0.3858	0.3858	0.3858
1.4091	Total	0.156	0.156	0.156	0.179	0.179	0.179	0.179	0.5600	0.5600	0.516	0.516	0.516
YEARLY TOTALS		3.853											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677	0.0677
LBB	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0309	0.0309	0.0309	0.0309	0.0309	0.0457
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
	Hauling	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.1547	0.1547	0.1547	0.1547	0.1547	0.1560
0.3191	Total	0.0226	0.0226	0.0226	0.0226	0.0226	0.0226	0.1871	0.1871	0.1871	0.1871	0.1871	0.2031
HH	Equipment	0.0419	0.0419	0.0419	0.0568	0.0568	0.0568	0.0393	0.0393	0.0393	0.0393	0.0393	0.0174
	Activity	0.0034	0.0034	0.0034	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3592	0.3592	0.3592	0.0047	0.0047	0.0047	0.0033	0.0033	0.0033	0.0033	0.0033	0.0008
0.86	Total	0.4045	0.4045	0.4045	0.0615	0.0615	0.0615	0.0427	0.0427	0.0427	0.0427	0.0427	0.0183
LBSM	Equipment	0.0193	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
	Activity	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0018	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199
	Total	0.0211	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437	0.0437
All Areas	Equipment	0.1265	0.1308	0.1308	0.1458	0.1458	0.1458	0.1549	0.1549	0.1549	0.1549	0.1549	0.1478
TOTALS	Activity	0.0037	0.0039	0.0039	0.0005	0.0005	0.0005	0.0018	0.0018	0.0018	0.0018	0.0018	0.0017
	Hauling	0.3858	0.4039	0.4039	0.0494	0.0494	0.0494	0.1846	0.1846	0.1846	0.1846	0.1846	0.1834
1.4091	Total	0.516	0.539	0.539	0.196	0.196	0.196	0.341	0.341	0.341	0.341	0.341	0.333
YEARLY TOTALS		4.219											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0677	0.0677	0.0677	0.0677	0.0677	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0490	0.0490	0.0342	0.0342	0.0342	0.0342	0.0123	0.0123	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0031	0.0031	0.0031	0.0031	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
0.3191	Total	0.0534	0.0534	0.0373	0.0373	0.0373	0.0373	0.0130	0.0130	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0236	0.0236	0.0236	0.0400	0.0400	0.0207	0.0296	0.0296	0.0296	0.0296	0.0410	0.0541
	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000
	Hauling	0.0199	0.0199	0.0199	0.0040	0.0040	0.0022	0.0969	0.0969	0.0969	0.0969	0.0979	0.0043
	Total	0.0437	0.0437	0.0437	0.0440	0.0440	0.0229	0.1274	0.1274	0.1274	0.1274	0.1398	0.0584
All Areas	Equipment	0.1510	0.1336	0.1189	0.1352	0.1352	0.0549	0.0419	0.0419	0.0296	0.0296	0.0410	0.0541
TOTALS	Activity	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000
	Hauling	0.0318	0.0309	0.0296	0.0137	0.0137	0.0052	0.0976	0.0976	0.0969	0.0969	0.0979	0.0043
1.4091	Total	0.183	0.165	0.149	0.149	0.149	0.060	0.140	0.140	0.127	0.127	0.140	0.058
YEARLY TOTALS		1.589											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3191	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.86	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0426	0.0426	0.0219	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0033	0.0033	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0460	0.0460	0.0231	0.0231	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0426	0.0426	0.0219	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0033	0.0033	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.4091	Total	0.046	0.046	0.023	0.023	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.138											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1002	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0196	0.0196	0.0196	0.0416	0.0221	0.0221	0.0221	0.0221	0.0221	0.0221
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0052	0.0061	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0253	0.0253	0.0253	0.0488	0.0236	0.0236	0.0236	0.0236	0.0236	0.0236
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0429	0.0222	0.0222	0.0222
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0073	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0513	0.0236	0.0236	0.0236
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0016	0.0011	0.0011	0.0017	0.0012	0.0012	0.0012
TOTALS	Activity	0.0000	0.0000	0.0196	0.0196	0.0402	0.0623	0.0428	0.0428	0.0649	0.0443	0.0443	0.0443
	Hauling	0.0000	0.0000	0.0052	0.0052	0.0117	0.0125	0.0073	0.0073	0.0082	0.0018	0.0018	0.0018
0.4398	Total	0.000	0.000	0.025	0.025	0.053	0.076	0.051	0.051	0.075	0.047	0.047	0.047
YEARLY TOTALS		0.499											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
0.1002	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129
HH	Equipment	0.0006	0.0006	0.0006	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0020	0.0024	0.0004
	Activity	0.0221	0.0221	0.0221	0.0495	0.0495	0.0495	0.0495	0.0495	0.0495	0.0274	0.0274	0.0000
	Hauling	0.0009	0.0009	0.0009	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0291	0.0305	0.0013
	Total	0.0236	0.0236	0.0236	0.0821	0.0821	0.0821	0.0821	0.0821	0.0821	0.0586	0.0603	0.0017
LBSM	Equipment	0.0021	0.0023	0.0023	0.0035	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0410	0.0410	0.0410	0.0672	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451
	Hauling	0.0064	0.0079	0.0079	0.0218	0.0209	0.0209	0.0209	0.0209	0.0209	0.0216	0.0209	0.0209
	Total	0.0495	0.0513	0.0513	0.0926	0.0690	0.0690	0.0690	0.0690	0.0690	0.0698	0.0690	0.0690
All Areas	Equipment	0.0027	0.0029	0.0029	0.0062	0.0056	0.0056	0.0056	0.0058	0.0058	0.0054	0.0057	0.0037
TOTALS	Activity	0.0631	0.0631	0.0631	0.1167	0.0946	0.0946	0.0946	0.1051	0.1051	0.0830	0.0830	0.0556
	Hauling	0.0073	0.0088	0.0088	0.0519	0.0510	0.0510	0.0510	0.0531	0.0531	0.0528	0.0535	0.0243
0.4398	Total	0.073	0.075	0.075	0.175	0.151	0.151	0.151	0.164	0.164	0.141	0.142	0.084
YEARLY TOTALS		1.546											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746
LBB	Equipment	0.0003	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029
	Activity	0.0105	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0461	0.0461
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0512	0.0512
0.1002	Total	0.0129	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.1002	0.1002
HH	Equipment	0.0004	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0059	0.0000	0.0000	0.0000
	Activity	0.0000	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0951	0.0000	0.0000	0.0000
	Hauling	0.0013	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.1545	0.0000	0.0000	0.0000
	Total	0.0017	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.2556	0.0000	0.0000	0.0000
LBSM	Equipment	0.0030	0.0030	0.0031	0.0031	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034
	Activity	0.0451	0.0451	0.0451	0.0451	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147	0.0147
	Hauling	0.0209	0.0209	0.0212	0.0212	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385	0.0385
	Total	0.0690	0.0690	0.0694	0.0694	0.0566	0.0566	0.0566	0.0566	0.0566	0.0566	0.0566	0.0566
All Areas	Equipment	0.0037	0.0095	0.0096	0.0096	0.0117	0.0129	0.0129	0.0131	0.0113	0.0053	0.0075	0.0075
TOTALS	Activity	0.0556	0.1623	0.1623	0.1623	0.1520	0.2005	0.2005	0.2005	0.1803	0.0852	0.1092	0.1092
	Hauling	0.0243	0.1763	0.1766	0.1766	0.1998	0.2249	0.2249	0.2262	0.2203	0.0658	0.1148	0.1148
0.4398	Total	0.084	0.348	0.348	0.348	0.364	0.438	0.438	0.440	0.412	0.156	0.231	0.231
YEARLY TOTALS		3.840											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0484	0.0484	0.0484	0.0484	0.0484	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0250	0.0250	0.0250	0.0250	0.0250	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0746	0.0746	0.0746	0.0746	0.0746	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
LBB	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0512	0.0000	0.0000	0.0000	0.0000	0.0000
0.1002	Total	0.1002	0.1002	0.1002	0.1002	0.1002	0.1002	0.1002	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0046	0.0046	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0049	0.0049	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
LBSM	Equipment	0.0000	0.0000	0.0016	0.0048	0.0048	0.0048	0.0048	0.0048	0.0056	0.0056	0.0056	0.0056
	Activity	0.0000	0.0000	0.0265	0.0422	0.0422	0.0422	0.0422	0.0422	0.0422	0.0422	0.0422	0.0422
	Hauling	0.0000	0.0000	0.0016	0.0626	0.0626	0.0626	0.0626	0.0626	0.0643	0.0643	0.0643	0.0643
	Total	0.0000	0.0000	0.0297	0.1097	0.1097	0.1097	0.1097	0.1097	0.1120	0.1120	0.1120	0.1120
All Areas	Equipment	0.0044	0.0044	0.0059	0.0091	0.0091	0.0089	0.0089	0.0060	0.0067	0.0067	0.0067	0.0067
TOTALS	Activity	0.0945	0.0945	0.1210	0.1367	0.1367	0.1216	0.1216	0.0756	0.0756	0.0756	0.0756	0.0756
	Hauling	0.0809	0.0809	0.0823	0.1434	0.1434	0.1211	0.1211	0.0699	0.0715	0.0715	0.0715	0.0715
0.4398	Total	0.180	0.180	0.209	0.289	0.289	0.2517	0.2517	0.1514	0.1538	0.154	0.154	0.154
YEARLY TOTALS		2.417											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
LBB	Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
0.1002	Total	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0021	0.0021	0.0021	0.0021	0.0021
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0264	0.0264	0.0264	0.0264	0.0264
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0879	0.0879	0.0879	0.0879	0.0879
	Total	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.1164	0.1164	0.1164	0.1164	0.1164
LBSM	Equipment	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0007	0.0007	0.0007
	Activity	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0265	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0016	0.0016	0.0016
	Total	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0314	0.0024	0.0024	0.0024
All Areas	Equipment	0.0033	0.0033	0.0033	0.0035	0.0035	0.0035	0.0035	0.0054	0.0054	0.0040	0.0040	0.0040
TOTALS	Activity	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0598	0.0862	0.0862	0.0597	0.0597	0.0597
	Hauling	0.0100	0.0100	0.0100	0.0144	0.0144	0.0144	0.0144	0.0978	0.0978	0.0967	0.0967	0.0967
0.4398	Total	0.073	0.073	0.073	0.078	0.078	0.078	0.0777	0.1894	0.189	0.160	0.160	0.160
YEARLY TOTALS		1.391											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
LBB	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0017	0.0017	0.0017	0.0017	0.0017	0.0021
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0391	0.0391	0.0391	0.0391	0.0391	0.0403
0.1002	Total	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0636	0.0636	0.0636	0.0636	0.0636	0.0653
HH	Equipment	0.0021	0.0021	0.0021	0.0030	0.0030	0.0030	0.0023	0.0023	0.0023	0.0023	0.0023	0.0010
	Activity	0.0264	0.0264	0.0264	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0157
	Hauling	0.0879	0.0879	0.0879	0.0045	0.0045	0.0045	0.0032	0.0032	0.0032	0.0032	0.0032	0.0008
	Total	0.1164	0.1164	0.1164	0.0232	0.0232	0.0232	0.0212	0.0212	0.0212	0.0212	0.0212	0.0175
LBSM	Equipment	0.0007	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0016	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0024	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
All Areas	Equipment	0.0040	0.0041	0.0041	0.0051	0.0051	0.0051	0.0058	0.0058	0.0058	0.0058	0.0058	0.0049
TOTALS	Activity	0.0597	0.0597	0.0597	0.0491	0.0491	0.0491	0.0720	0.0720	0.0720	0.0720	0.0720	0.0720
	Hauling	0.0967	0.1011	0.1011	0.0176	0.0176	0.0176	0.0510	0.0510	0.0510	0.0510	0.0510	0.0500
0.4398	Total	0.160	0.165	0.165	0.072	0.072	0.072	0.129	0.129	0.129	0.129	0.129	0.127
YEARLY TOTALS		1.477											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0024	0.0024	0.0020	0.0020	0.0020	0.0020	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
	Activity	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0111	0.0111	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0043	0.0043	0.0030	0.0030	0.0030	0.0030	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000
0.1002	Total	0.0178	0.0178	0.0162	0.0162	0.0162	0.0162	0.0125	0.0125	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0157	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0175	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0009	0.0009	0.0009	0.0020	0.0020	0.0012	0.0016	0.0016	0.0016	0.0016	0.0019	0.0028
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0221	0.0221	0.0221	0.0221	0.0221	0.0198
	Hauling	0.0060	0.0060	0.0060	0.0038	0.0038	0.0022	0.0251	0.0251	0.0251	0.0251	0.0261	0.0044
	Total	0.0069	0.0069	0.0069	0.0058	0.0058	0.0035	0.0488	0.0488	0.0488	0.0488	0.0501	0.0270
All Areas	Equipment	0.0053	0.0043	0.0039	0.0050	0.0050	0.0032	0.0023	0.0023	0.0016	0.0016	0.0019	0.0028
TOTALS	Activity	0.0602	0.0445	0.0445	0.0445	0.0445	0.0112	0.0332	0.0332	0.0221	0.0221	0.0221	0.0198
	Hauling	0.0139	0.0131	0.0118	0.0096	0.0096	0.0052	0.0258	0.0258	0.0251	0.0251	0.0261	0.0044
0.4398	Total	0.079	0.062	0.060	0.059	0.059	0.020	0.061	0.061	0.049	0.049	0.050	0.027
YEARLY TOTALS		0.636											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1002	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0025	0.0025	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0034	0.0034	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0256	0.0256	0.0222	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0025	0.0025	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0034	0.0034	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.4398	Total	0.026	0.026	0.022	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.096											

$PM_{2.5}$ TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
0.0012	Activity	0.0000	0.0000	0.0140	0.0140	0.0140	0.0270	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0008	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0152	0.0152	0.0152	0.0289	0.0137	0.0137	0.0137	0.0137	0.0137	0.0137
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0277	0.0131	0.0131	0.0131
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0011	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0298	0.0137	0.0137	0.0137
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0015	0.0010	0.0010	0.0016	0.0011	0.0011	0.0011
TOTALS	Activity	0.0000	0.0000	0.0140	0.0140	0.0286	0.0416	0.0277	0.0277	0.0407	0.0261	0.0261	0.0261
	Hauling	0.0000	0.0000	0.0008	0.0008	0.0017	0.0018	0.0011	0.0011	0.0011	0.0002	0.0002	0.0002
0.1642	Total	0.000	0.000	0.015	0.015	0.031	0.045	0.030	0.030	0.043	0.027	0.027	0.027
YEARLY TOTALS		0.292											

$PM_{2.5}$ TOTALS

Phase		Source	2042											
			1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
HH		Equipment	0.0005	0.0005	0.0005	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0019	0.0023	0.0004
	0.0012	Activity	0.0130	0.0130	0.0130	0.0278	0.0278	0.0278	0.0278	0.0278	0.0278	0.0147	0.0147	0.0000
		Hauling	0.0001	0.0001	0.0001	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0043	0.0044	0.0001
		Total	0.0137	0.0137	0.0137	0.0346	0.0346	0.0346	0.0346	0.0346	0.0346	0.0210	0.0215	0.0005
LBSM		Equipment	0.0020	0.0022	0.0022	0.0033	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
	0.0019	Activity	0.0239	0.0239	0.0239	0.0393	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
		Hauling	0.0009	0.0011	0.0011	0.0032	0.0031	0.0031	0.0031	0.0031	0.0031	0.0032	0.0031	0.0031
		Total	0.0268	0.0272	0.0272	0.0458	0.0321	0.0321	0.0321	0.0321	0.0321	0.0322	0.0321	0.0321
All Areas		Equipment	0.0025	0.0028	0.0028	0.0058	0.0052	0.0052	0.0052	0.0055	0.0055	0.0050	0.0053	0.0034
TOTALS		Activity	0.0369	0.0370	0.0370	0.0671	0.0540	0.0540	0.0540	0.0616	0.0616	0.0486	0.0486	0.0339
		Hauling	0.0010	0.0012	0.0012	0.0076	0.0075	0.0075	0.0075	0.0078	0.0078	0.0078	0.0079	0.0036
	0.1642	Total	0.040	0.041	0.041	0.080	0.067	0.067	0.067	0.075	0.075	0.061	0.062	0.041
YEARLY TOTALS			0.717											

$PM_{2.5}$ TOTALS

Phase		Source	2043											
			1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375
LBB		Equipment	0.0003	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027
	0.0007	Activity	0.0077	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0262	0.0262
		Hauling	0.0003	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0076	0.0076
	0.0366	Total	0.0082	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0366	0.0366
HH		Equipment	0.0004	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0055	0.0000	0.0000	0.0000
	0.0012	Activity	0.0000	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0533	0.0000	0.0000	0.0000
		Hauling	0.0001	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0230	0.0000	0.0000	0.0000
		Total	0.0005	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0818	0.0000	0.0000	0.0000
LBSM		Equipment	0.0027	0.0027	0.0028	0.0028	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030
	0.0019	Activity	0.0262	0.0262	0.0262	0.0262	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080	0.0080
		Hauling	0.0031	0.0031	0.0032	0.0032	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056	0.0056
		Total	0.0321	0.0321	0.0322	0.0322	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167	0.0167
All Areas		Equipment	0.0034	0.0088	0.0089	0.0089	0.0109	0.0120	0.0120	0.0122	0.0104	0.0049	0.0069	0.0069
TOTALS		Activity	0.0339	0.0925	0.0925	0.0925	0.0859	0.1186	0.1186	0.1186	0.1070	0.0537	0.0669	0.0669
		Hauling	0.0036	0.0262	0.0263	0.0263	0.0295	0.0333	0.0333	0.0334	0.0325	0.0095	0.0169	0.0169
	0.1642	Total	0.041	0.128	0.128	0.128	0.126	0.164	0.164	0.164	0.150	0.068	0.091	0.091
YEARLY TOTALS			1.441											

$PM_{2.5}$ TOTALS

Phase		Source	2044											
			1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF		Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	0.0005	Activity	0.0326	0.0326	0.0326	0.0326	0.0326	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
		Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0375	0.0375	0.0375	0.0375	0.0375	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
LBB		Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0012	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
		Total	0.0009	0.0009	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
LBSM		Equipment	0.0000	0.0000	0.0015	0.0044	0.0044	0.0044	0.0044	0.0044	0.0052	0.0052	0.0052	0.0052
	0.0019	Activity	0.0000	0.0000	0.0156	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238
		Hauling	0.0000	0.0000	0.0002	0.0092	0.0092	0.0092	0.0092	0.0092	0.0093	0.0093	0.0093	0.0093
		Total	0.0000	0.0000	0.0173	0.0374	0.0374	0.0374	0.0374	0.0374	0.0383	0.0383	0.0383	0.0383
All Areas		Equipment	0.0041	0.0041	0.0055	0.0084	0.0084	0.0083	0.0083	0.0056	0.0063	0.0063	0.0063	0.0063
TOTALS		Activity	0.0589	0.0589	0.0745	0.0827	0.0827	0.0751	0.0751	0.0489	0.0489	0.0489	0.0489	0.0489
		Hauling	0.0120	0.0120	0.0122	0.0212	0.0212	0.0178	0.0178	0.0102	0.0103	0.0103	0.0103	0.0103
	0.1642	Total	0.075	0.075	0.092	0.112	0.112	0.101	0.101	0.065	0.0655	0.0655	0.066	0.066
YEARLY TOTALS			0.996											

$PM_{2.5}$ TOTALS

Phase		Source	2045											
			1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF		Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
LBB		Equipment	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	0.0366	Total	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
HH		Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0019	0.0019	0.0019	0.0019	0.0019
	0.0012	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0146
		Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0130	0.0130	0.0130	0.0130	0.0130
		Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0295	0.0295	0.0295	0.0295	0.0295
LBSM		Equipment	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0007	0.0007	0.0007
	0.0019	Activity	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0156	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002
		Total	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0181	0.0009	0.0009	0.0009
All Areas		Equipment	0.0032	0.0032	0.0032	0.0034	0.0034	0.0034	0.0034	0.0052	0.0052	0.0038	0.0038	0.0038
TOTALS		Activity	0.0407	0.0407	0.0407	0.0407	0.0407	0.0407	0.0407	0.0553	0.0553	0.0396	0.0396	0.0396
		Hauling	0.0013	0.0013	0.0013	0.0020	0.0020	0.0020	0.0020	0.0143	0.0143	0.0141	0.0141	0.0141
	0.1642	Total	0.045	0.045	0.045	0.046	0.046	0.046	0.046	0.0747	0.0747	0.058	0.058	0.058
YEARLY TOTALS			0.642											

$PM_{2.5}$ TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
LBB	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015	0.0015	0.0019
0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131	0.0131	0.0131	0.0131	0.0131	0.0131
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0057	0.0057	0.0057	0.0057	0.0057	0.0058
0.0366	Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0203	0.0203	0.0203	0.0203	0.0203	0.0208
HH	Equipment	0.0019	0.0019	0.0019	0.0028	0.0028	0.0028	0.0021	0.0021	0.0021	0.0021	0.0021	0.0009
0.0012	Activity	0.0146	0.0146	0.0146	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093	0.0093
	Hauling	0.0130	0.0130	0.0130	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001
	Total	0.0295	0.0295	0.0295	0.0126	0.0126	0.0126	0.0117	0.0117	0.0117	0.0117	0.0117	0.0103
LBSM	Equipment	0.0007	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0009	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
All Areas	Equipment	0.0038	0.0040	0.0040	0.0049	0.0049	0.0049	0.0056	0.0056	0.0056	0.0056	0.0056	0.0047
TOTALS	Activity	0.0396	0.0396	0.0396	0.0343	0.0343	0.0343	0.0474	0.0474	0.0474	0.0474	0.0474	0.0474
	Hauling	0.0141	0.0148	0.0148	0.0023	0.0023	0.0023	0.0072	0.0072	0.0072	0.0072	0.0072	0.0071
0.1642	Total	0.058	0.058	0.058	0.041	0.041	0.041	0.060	0.0601	0.0601	0.060	0.060	0.059
YEARLY TOTALS		0.659											

$PM_{2.5}$ TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0022	0.0022	0.0019	0.0019	0.0019	0.0019	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000
0.0007	Activity	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
0.0366	Total	0.0092	0.0092	0.0087	0.0087	0.0087	0.0087	0.0073	0.0073	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.0012	Activity	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0103	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0009	0.0009	0.0009	0.0019	0.0019	0.0012	0.0015	0.0015	0.0015	0.0015	0.0018	0.0026
0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0128	0.0128	0.0128	0.0117
	Hauling	0.0008	0.0008	0.0008	0.0004	0.0004	0.0002	0.0036	0.0036	0.0036	0.0036	0.0037	0.0004
	Total	0.0017	0.0017	0.0017	0.0023	0.0023	0.0014	0.0179	0.0179	0.0179	0.0179	0.0183	0.0147
All Areas	Equipment	0.0050	0.0041	0.0037	0.0047	0.0047	0.0030	0.0021	0.0021	0.0015	0.0015	0.0018	0.0026
TOTALS	Activity	0.0409	0.0316	0.0316	0.0316	0.0316	0.0066	0.0193	0.0193	0.0128	0.0128	0.0128	0.0117
	Hauling	0.0017	0.0016	0.0015	0.0010	0.0010	0.0005	0.0037	0.0037	0.0036	0.0036	0.0037	0.0004
0.1642	Total	0.048	0.037	0.037	0.037	0.037	0.010	0.025	0.025	0.018	0.018	0.018	0.015
YEARLY TOTALS		0.326											

$PM_{2.5}$ TOTALS

Phase		Source	2048											
			1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0012	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0023	0.0023	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0019	Activity	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0143	0.0143	0.0129	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0023	0.0023	0.0011	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS		Activity	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.1642	Total	0.014	0.014	0.013	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS			0.054											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0043	0.0043	0.0043	0.0103	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0007	0.0007	0.0007	0.0008	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0050	0.0050	0.0050	0.0111	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0105	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0115	0.0061	0.0061	0.0061
All Areas	Equipment	0.0000	0.0000	0.0043	0.0043	0.0088	0.0148	0.0105	0.0105	0.0165	0.0120	0.0120	0.0120
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0000	0.0000	0.0007	0.0007	0.0016	0.0016	0.0009	0.0009	0.0010	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.005	0.005	0.010	0.016	0.011	0.011	0.018	0.012	0.012	0.012
YEARLY TOTALS		0.114											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
HH	Equipment	0.0060	0.0060	0.0060	0.0191	0.0191	0.0191	0.0191	0.0191	0.0191	0.0131	0.0153	0.0022
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001
	Total	0.0061	0.0061	0.0061	0.0229	0.0229	0.0229	0.0229	0.0229	0.0229	0.0168	0.0192	0.0023
LBSM	Equipment	0.0157	0.0170	0.0170	0.0122	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0009	0.0009	0.0028	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
	Total	0.0166	0.0180	0.0180	0.0150	0.0089	0.0089	0.0089	0.0089	0.0089	0.0096	0.0089	0.0089
All Areas	Equipment	0.0218	0.0231	0.0231	0.0313	0.0253	0.0253	0.0253	0.0276	0.0276	0.0222	0.0238	0.0108
TOTALS	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Other	0.0009	0.0010	0.0010	0.0066	0.0065	0.0065	0.0065	0.0068	0.0068	0.0067	0.0068	0.0031
	Total	0.023	0.024	0.024	0.038	0.032	0.032	0.032	0.035	0.035	0.029	0.031	0.014
YEARLY TOTALS		0.347											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154	0.0154
LBB	Equipment	0.0024	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0064	0.0064
	Total	0.0026	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0126	0.0126
HH	Equipment	0.0022	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000
	Activity	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0000	0.0000	0.0000
	Total	0.0023	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0320	0.0000	0.0000	0.0000
LBSM	Equipment	0.0062	0.0062	0.0066	0.0066	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0027	0.0027	0.0027	0.0027	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Total	0.0089	0.0089	0.0094	0.0094	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117	0.0117
All Areas	Equipment	0.0108	0.0246	0.0251	0.0251	0.0372	0.0494	0.0494	0.0505	0.0388	0.0264	0.0254	0.0254
TOTALS	Activity	0.0000	0.0004	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0004	0.0001	0.0002	0.0002
	Other	0.0031	0.0220	0.0221	0.0221	0.0247	0.0278	0.0278	0.0279	0.0272	0.0079	0.0141	0.0141
	Total	0.014	0.047	0.047	0.047	0.062	0.078	0.078	0.079	0.066	0.034	0.040	0.040
YEARLY TOTALS		0.632											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0122	0.0122	0.0122	0.0122	0.0122	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0031	0.0031	0.0031	0.0031	0.0031	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0154	0.0154	0.0154	0.0154	0.0154	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
LBB	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0126	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0018	0.0018	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
LBSM	Equipment	0.0000	0.0000	0.0030	0.0095	0.0095	0.0095	0.0095	0.0095	0.0132	0.0132	0.0132	0.0132
	Activity	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0002	0.0074	0.0074	0.0074	0.0074	0.0074	0.0075	0.0075	0.0075	0.0075
	Total	0.0000	0.0000	0.0032	0.0170	0.0170	0.0170	0.0170	0.0170	0.0208	0.0208	0.0208	0.0208
All Areas	Equipment	0.0195	0.0195	0.0223	0.0287	0.0287	0.0241	0.0241	0.0180	0.0217	0.0217	0.0217	0.0217
TOTALS	Activity	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001
	Other	0.0101	0.0101	0.0102	0.0174	0.0174	0.0145	0.0145	0.0082	0.0083	0.0083	0.0083	0.0083
	Total	0.030	0.030	0.033	0.046	0.046	0.039	0.039	0.026	0.030	0.030	0.030	0.030
YEARLY TOTALS		0.410											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
LBB	Equipment	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
HH	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0179	0.0179	0.0179	0.0179	0.0179
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0101	0.0101	0.0101	0.0101	0.0101
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0282	0.0282	0.0282	0.0282	0.0282
LBSM	Equipment	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0061	0.0037	0.0037	0.0037
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001
	Total	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0064	0.0038	0.0038	0.0038
All Areas	Equipment	0.0146	0.0146	0.0146	0.0154	0.0154	0.0154	0.0154	0.0324	0.0324	0.0300	0.0300	0.0300
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Other	0.0011	0.0011	0.0011	0.0016	0.0016	0.0016	0.0016	0.0111	0.0111	0.0110	0.0110	0.0110
	Total	0.016	0.016	0.016	0.017	0.017	0.017	0.017	0.044	0.044	0.041	0.041	0.041
YEARLY TOTALS		0.326											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
LBB	Equipment	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0159	0.0159	0.0159	0.0159	0.0159	0.0194
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0043	0.0043	0.0043	0.0043	0.0043	0.0044
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0203	0.0203	0.0203	0.0203	0.0203	0.0239
HH	Equipment	0.0179	0.0179	0.0179	0.0298	0.0298	0.0298	0.0236	0.0236	0.0236	0.0236	0.0236	0.0093
	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0101	0.0101	0.0101	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001
	Total	0.0282	0.0282	0.0282	0.0301	0.0301	0.0301	0.0238	0.0238	0.0238	0.0238	0.0238	0.0093
LBSM	Equipment	0.0037	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0038	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052	0.0052
All Areas	Equipment	0.0300	0.0309	0.0309	0.0428	0.0428	0.0428	0.0517	0.0517	0.0517	0.0517	0.0517	0.0409
TOTALS	Activity	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Other	0.0110	0.0115	0.0115	0.0017	0.0017	0.0017	0.0054	0.0054	0.0054	0.0054	0.0054	0.0053
	Total	0.041	0.043	0.043	0.045	0.045	0.045	0.057	0.057	0.057	0.057	0.057	0.046
YEARLY TOTALS		0.592											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0244	0.0244	0.0209	0.0209	0.0209	0.0209	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0247	0.0247	0.0211	0.0211	0.0211	0.0211	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0045	0.0045	0.0045	0.0172	0.0172	0.0135	0.0151	0.0151	0.0151	0.0151	0.0178	0.0279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0002	0.0002	0.0001	0.0026	0.0026	0.0026	0.0026	0.0027	0.0003
	Total	0.0052	0.0052	0.0052	0.0175	0.0175	0.0137	0.0178	0.0178	0.0178	0.0178	0.0206	0.0282
All Areas	Equipment	0.0459	0.0366	0.0331	0.0457	0.0457	0.0344	0.0217	0.0217	0.0151	0.0151	0.0178	0.0279
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0012	0.0011	0.0010	0.0007	0.0007	0.0003	0.0027	0.0027	0.0026	0.0026	0.0027	0.0003
	Total	0.047	0.038	0.034	0.046	0.046	0.035	0.024	0.024	0.018	0.018	0.021	0.028
YEARLY TOTALS		0.380											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0252	0.0252	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0254	0.0254	0.0118	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0252	0.0252	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Other	0.0002	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.025	0.025	0.012	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.074											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	32	32	32	63	31	31	31	31	31	31
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	16	16	16	19	4	4	4	4	4	4
	Total	-	-	48	48	48	83	35	35	35	35	35	35
LBSM	Equipment	-	-	-	-	33	33	33	33	64	31	31	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	20	20	20	20	23	4	4	4
	Total	-	-	-	-	53	53	53	53	88	35	35	35
All Areas	Equipment	0.0000	0.0000	31.7002	31.7002	64.7972	96.0505	64.3503	64.3503	95.7177	62.6207	62.6207	62.6207
TOTALS	Activity	0.0000	0.0000	0.0529	0.0529	0.1181	0.1303	0.0774	0.0774	0.0897	0.0244	0.0244	0.0244
	Hauling	-	-	16	16	36	39	23	23	27	7	7	7
	Total	-	-	48	48	101	135	88	88	123	70	70	70
YEARLY TOTALS		838.503											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
HH	Equipment	31	31	31	237	237	237	237	237	237	206	254	48
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	4	4	4	93	93	93	93	93	93	89	94	5
	Total	35	35	35	330	330	330	330	330	330	295	348	53
LBSM	Equipment	136	163	163	105	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	26	26	67	63	63	63	63	63	66	63	63
	Total	156	190	190	172	137	137	137	137	137	158	137	137
All Areas	Equipment	166.8101	194.6921	194.6921	341.6807	310.3134	310.3134	310.3134	327.7511	327.7511	314.7233	344.2955	138.4773
TOTALS	Activity	0.0808	0.1010	0.1010	0.5303	0.5181	0.5181	0.5181	0.5390	0.5390	0.5357	0.5442	0.2485
	Hauling	24	30	30	160	156	156	156	162	162	161	164	75
	Total	191	225	225	502	467	467	467	491	491	477	509	213
YEARLY TOTALS		4722.537											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	-	-	-	-	-	63	63	63	63	63	63	63
	Activity	-	-	-	-	-	0	0	0	0	0	0	0
	Hauling	-	-	-	-	-	75	75	75	75	75	75	75
	Total	-	-	-	-	-	139	139	139	139	139	139	139
LBB	Equipment	17	31	31	31	169	169	169	193	55	55	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	21	21	21	26	8	8	154	154
	Total	24	35	35	35	190	190	190	219	63	63	227	227
HH	Equipment	48	147	147	147	147	147	147	147	147	-	-	-
	Activity	0	2	2	2	2	2	2	2	2	-	-	-
	Hauling	5	464	464	464	464	464	464	464	464	-	-	-
	Total	53	612	612	612	612	612	612	612	612	-	-	-
LBSM	Equipment	73	73	92	92	232	232	232	232	232	232	232	232
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	63	63	64	64	118	118	118	118	118	118	118	118
	Total	137	137	157	157	351	351	351	351	351	351	351	351
All Areas	Equipment	138.4773	251.4413	270.0921	270.0921	547.3925	610.8322	610.8322	634.7310	497.3397	350.3842	368.0586	368.0586
TOTALS	Activity	0.2485	1.7600	1.7638	1.7638	2.0028	2.2522	2.2522	2.2689	2.2098	0.6713	1.1534	1.1534
	Hauling	75	530	532	532	603	678	678	683	665	202	347	347
	Total	213	784	803	803	1,153	1,291	1,291	1,320	1,165	553	716	716
YEARLY TOTALS		10810.218											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	63	63	63	63	63	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	75	75	75	75	75	9	9	9	9	9	9	9
	Total	139	139	139	139	139	113	113	113	113	113	113	113
LBB	Equipment	73	73	73	73	73	73	73	-	-	-	-	-
	Activity	1	1	1	1	1	1	1	-	-	-	-	-
	Hauling	154	154	154	154	154	154	154	-	-	-	-	-
	Total	227	227	227	227	227	227	227	-	-	-	-	-
HH	Equipment	53	53	39	39	39	39	39	39	39	39	39	39
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	13	13	13	13	13	13	13	13	13	13
	Total	67	67	52	52	52	52	52	52	52	52	52	52
LBSM	Equipment	-	-	98	303	303	303	303	303	414	414	414	414
	Activity	-	-	0	1	1	1	1	1	1	1	1	1
	Hauling	-	-	5	189	189	189	189	189	195	195	195	195
	Total	-	-	103	492	492	492	492	492	610	610	610	610
All Areas	Equipment	188.9551	188.9551	272.5392	477.7283	477.7283	518.0212	518.0212	445.2040	556.7572	556.7572	556.7572	556.7572
TOTALS	Activity	0.8057	0.8057	0.8206	1.4322	1.4322	1.2145	1.2145	0.7045	0.7247	0.7247	0.7247	0.7247
	Hauling	243	243	247	431	431	365	365	212	218	218	218	218
	Total	433	433	521	910	910	885	885	658	775	775	775	775
YEARLY TOTALS		8734.278											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
LBB	Equipment	-	-	-	38	38	38	38	38	38	38	38	38
	Activity	-	-	-	0	0	0	0	0	0	0	0	0
	Hauling	-	-	-	13	13	13	13	13	13	13	13	13
	Total	-	-	-	51	51	51	51	51	51	51	51	51
HH	Equipment	39	39	39	39	39	39	39	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	1	1	1	1	1
	Hauling	13	13	13	13	13	13	13	262	262	262	262	262
	Total	52	52	52	52	52	52	52	367	367	367	367	367
LBSM	Equipment	181	181	181	181	181	181	181	181	181	112	112	112
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	6	6	6
	Total	190	190	190	190	190	190	190	190	190	117	117	117
All Areas	Equipment	323.5919	323.5919	323.5919	361.3835	361.3835	361.3835	361.3835	427.1329	427.1329	357.5632	357.5632	357.5632
TOTALS	Activity	0.1076	0.1076	0.1076	0.1504	0.1504	0.1504	0.1504	0.9758	0.9758	0.9645	0.9645	0.9645
	Hauling	32	32	32	45	45	45	45	293	293	290	290	290
	Total	356	356	356	406	406	406	406	721	721	648	648	648
YEARLY TOTALS		6081.694											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
LBB	Equipment	38	38	38	38	38	38	80	80	80	80	80	110
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	116	116	116	116	116	121
	Total	51	51	51	51	51	51	197	197	197	197	197	231
HH	Equipment	104	104	104	175	175	175	118	118	118	118	118	58
	Activity	1	1	1	0	0	0	0	0	0	0	0	0
	Hauling	262	262	262	16	16	16	11	11	11	11	11	3
	Total	367	367	367	190	190	190	129	129	129	129	129	61
LBSM	Equipment	112	149	149	149	149	149	149	149	149	149	149	149
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	19	19	19	19	19	19	19	19	19	19	19
	Total	117	168	168	168	168	168	168	168	168	168	168	168
All Areas	Equipment	357.5632	395.4808	395.4808	465.8180	465.8180	465.8180	451.5065	451.5065	451.5065	451.5065	451.5065	420.8712
TOTALS	Activity	0.9645	1.0072	1.0072	0.1906	0.1906	0.1906	0.5193	0.5193	0.5193	0.5193	0.5193	0.5062
	Hauling	290	303	303	57	57	57	155	155	155	155	155	152
	Total	648	699	699	523	523	523	608	608	608	608	608	573
YEARLY TOTALS		7225.566											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	104	104	104	104	104	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	9	9	9	9	9	-	-	-	-	-	-	-
	Total	113	113	113	113	113	-	-	-	-	-	-	-
LBB	Equipment	131	131	101	101	101	101	41	41	-	-	-	-
	Activity	0	0	0	0	0	0	0	0	-	-	-	-
	Hauling	15	15	10	10	10	10	2	2	-	-	-	-
	Total	146	146	111	111	111	111	43	43	-	-	-	-
HH	Equipment	58	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	3	-	-	-	-	-	-	-	-	-	-	-
	Total	61	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	149	149	149	169	169	57	77	77	77	77	100	153
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	13	13	7	75	75	75	75	78	15
	Total	168	168	168	182	182	64	152	152	152	152	178	167
All Areas	Equipment	441.6492	383.9920	354.2943	373.3579	373.3579	158.0721	117.4334	117.4334	76.6110	76.6110	99.7092	152.6019
TOTALS	Activity	0.1547	0.1450	0.1298	0.1124	0.1124	0.0605	0.2565	0.2565	0.2487	0.2487	0.2602	0.0502
	Hauling	46	43	38	33	33	18	77	77	75	75	78	15
	Total	488	427	393	406	406	176	195	195	152	152	178	167
YEARLY TOTALS		3333.944											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	130	130	73	73	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	11	11	4	4	-	-	-	-	-	-	-	-
	Total	141	141	76	76	-	-	-	-	-	-	-	-
All Areas	Equipment	129.5037	129.5037	72.5225	72.5225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0387	0.0387	0.0134	0.0134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	11	11	4	4	-	-	-	-	-	-	-	-
	Total	141	141	76	76	-	-	-	-	-	-	-	-
YEARLY TOTALS		434.699											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0004	0.0004	0.0004	0.0008	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0006	0.0009	0.0006	0.0006	0.0009	0.0006	0.0006	0.0006
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0003	0.0004	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.008											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
HH	Equipment	0.0003	0.0003	0.0003	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0018	0.0023	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0009	0.0000
	Total	0.0003	0.0003	0.0003	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0026	0.0031	0.0005
LBSM	Equipment	0.0013	0.0015	0.0015	0.0009	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0015	0.0018	0.0018	0.0015	0.0012	0.0012	0.0012	0.0012	0.0012	0.0014	0.0012	0.0012
All Areas	Equipment	0.0016	0.0018	0.0018	0.0030	0.0027	0.0027	0.0027	0.0029	0.0029	0.0028	0.0030	0.0012
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0003	0.0003	0.0014	0.0014	0.0014	0.0014	0.0015	0.0015	0.0015	0.0015	0.0007
	Total	0.002	0.002	0.002	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.002
YEARLY TOTALS		0.042											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
LBB	Equipment	0.0002	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0014	0.0014
	Total	0.0002	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0020	0.0020
HH	Equipment	0.0005	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0042	0.0000	0.0000	0.0000
	Total	0.0005	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0000	0.0000	0.0000
LBSM	Equipment	0.0006	0.0006	0.0007	0.0007	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0012	0.0012	0.0013	0.0013	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
All Areas	Equipment	0.0012	0.0021	0.0022	0.0022	0.0038	0.0044	0.0044	0.0046	0.0033	0.0021	0.0022	0.0022
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0048	0.0048	0.0048	0.0055	0.0062	0.0062	0.0062	0.0060	0.0018	0.0032	0.0032
	Total	0.002	0.007	0.007	0.007	0.009	0.011	0.011	0.011	0.009	0.004	0.005	0.005
YEARLY TOTALS		0.088											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
LBB	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
LBSM	Equipment	0.0000	0.0000	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0022	0.0022	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0017	0.0017	0.0017	0.0017	0.0017	0.0018	0.0018	0.0018	0.0018
	Total	0.0000	0.0000	0.0004	0.0029	0.0029	0.0029	0.0029	0.0029	0.0040	0.0040	0.0040	0.0040
All Areas	Equipment	0.0016	0.0016	0.0018	0.0026	0.0026	0.0030	0.0030	0.0024	0.0034	0.0034	0.0034	0.0034
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0022	0.0022	0.0039	0.0039	0.0033	0.0033	0.0019	0.0020	0.0020	0.0020	0.0020
	Total	0.004	0.004	0.004	0.007	0.007	0.006	0.006	0.004	0.005	0.005	0.005	0.005
YEARLY TOTALS		0.063											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
LBB	Equipment	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
HH	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0024	0.0024	0.0024	0.0024	0.0024
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0033	0.0033	0.0033	0.0033	0.0033
LBSM	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0011	0.0011
All Areas	Equipment	0.0024	0.0024	0.0024	0.0027	0.0027	0.0027	0.0027	0.0033	0.0033	0.0032	0.0032	0.0032
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0004	0.0004	0.0004	0.0004	0.0027	0.0027	0.0026	0.0026	0.0026
	Total	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.006	0.006	0.006	0.006	0.006
YEARLY TOTALS		0.050											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
LBB	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007	0.0007	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0018	0.0018	0.0018	0.0018	0.0018	0.0021
HH	Equipment	0.0009	0.0009	0.0009	0.0017	0.0017	0.0017	0.0011	0.0011	0.0011	0.0011	0.0011	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0024	0.0024	0.0024	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0033	0.0033	0.0033	0.0018	0.0018	0.0018	0.0012	0.0012	0.0012	0.0012	0.0012	0.0006
LBSM	Equipment	0.0010	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0011	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015
All Areas	Equipment	0.0032	0.0034	0.0034	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0041	0.0038
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0028	0.0028	0.0005	0.0005	0.0005	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
	Total	0.006	0.006	0.006	0.005	0.005	0.005	0.006	0.006	0.006	0.006	0.006	0.005
YEARLY TOTALS		0.065											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0012	0.0012	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0014	0.0014	0.0011	0.0011	0.0011	0.0011	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0013	0.0013	0.0013	0.0016	0.0016	0.0005	0.0007	0.0007	0.0007	0.0007	0.0009	0.0014
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001
	Total	0.0015	0.0015	0.0015	0.0017	0.0017	0.0006	0.0014	0.0014	0.0014	0.0014	0.0016	0.0016
All Areas	Equipment	0.0040	0.0035	0.0032	0.0035	0.0035	0.0015	0.0011	0.0011	0.0007	0.0007	0.0009	0.0014
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0003	0.0003	0.0002	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001
	Total	0.004	0.004	0.004	0.004	0.004	0.002	0.002	0.002	0.001	0.001	0.002	0.002
YEARLY TOTALS		0.031											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0012	0.0012	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0013	0.0013	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0012	0.0012	0.0007	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.001	0.001	0.001	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.004											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 2	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2	MSF	1/1/2043	12/31/2043	2043	261	25	40	5	574	20	223676	2	13	5	0.002	0.165	0.006	64	0.001	0.004	0.001
Section 2	MSF	1/1/2044	12/31/2044	2044	261	50	40	11	1142	39	446135	4	26	10	0.003	0.328	0.011	128	0.001	0.007	0.003
Section 2	MSF	1/1/2045	12/31/2045	2045	260	55	40	12	1251	42	489615	5	28	11	0.003	0.358	0.012	140	0.001	0.008	0.003
Section 2	MSF	1/1/2046	12/31/2046	2046	261	55	40	11	1246	42	488698	5	28	11	0.003	0.359	0.012	141	0.001	0.008	0.003
Section 2	MSF	1/1/2047	12/31/2047	2047	261	20	40	4	452	15	177429	2	10	4	0.001	0.130	0.004	51	0.001	0.003	0.001
Section 2	MSF	1/1/2048	12/31/2048	2048	262	10	40	2	225	7	88599	1	5	2	0.001	0.065	0.002	26	0.000	0.001	0.001
Section 2	MSF	1/1/2049	5/10/2049	2049	92	10	40	2	225	7	88501	1	5	2	0.000	0.023	0.001	9	0.000	0.001	0.000
Section 2	Alignment Section	1/14/2041	12/31/2041	2041	252	40	40	9	936	34	360499	4	21	8	0.003	0.260	0.009	100	0.001	0.006	0.002
Section 2	Alignment Section	1/1/2042	12/31/2042	2042	261	150	40	34	3474	123	1346506	13	78	29	0.010	0.999	0.036	387	0.004	0.022	0.008
Section 2	Alignment Section	1/1/2043	12/31/2043	2043	261	185	40	40	4250	148	1655205	16	96	36	0.012	1.223	0.043	476	0.005	0.028	0.010
Section 2	Alignment Section	1/1/2044	12/31/2044	2044	261	215	40	46	4910	169	1918382	19	111	42	0.013	1.413	0.049	552	0.005	0.032	0.012
Section 2	Alignment Section	1/1/2045	12/31/2045	2045	260	180	40	38	4093	139	1602376	16	93	35	0.011	1.173	0.040	459	0.005	0.027	0.010
Section 2	Alignment Section	1/1/2046	12/31/2046	2046	261	215	40	45	4872	163	1910365	19	111	42	0.013	1.402	0.047	550	0.005	0.032	0.012
Section 2	Alignment Section	1/1/2047	12/31/2047	2047	261	135	40	28	3050	101	1197647	12	70	26	0.008	0.877	0.029	345	0.003	0.020	0.008
Section 2	Alignment Section	1/1/2048	12/31/2048	2048	262	55	40	11	1239	41	487294	5	28	11	0.003	0.358	0.012	141	0.001	0.008	0.003
Section 2	Alignment Section	1/1/2049	5/10/2049	2049	92	30	40	6	675	22	265504	3	15	6	0.001	0.068	0.002	27	0.000	0.002	0.001

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	100	0.0	0.0	0.0
2042	0.0	1.0	0.0	387	0.0	0.0	0.0
2043	0.0	1.4	0.0	541	0.0	0.0	0.0
2044	0.0	1.7	0.1	680	0.0	0.0	0.0
2045	0.0	1.5	0.1	600	0.0	0.0	0.0
2046	0.0	1.8	0.1	690	0.0	0.0	0.0
2047	0.0	1.0	0.0	396	0.0	0.0	0.0
2048	0.0	0.4	0.0	166	0.0	0.0	0.0
2049	0.0	0.1	0.0	36	0.0	0.0	0.0
2050	0.0	0.0	0.0	0	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.2	0.0	64	0.0	0.0	0.0
2044	0.0	0.3	0.0	128	0.0	0.0	0.0
2045	0.0	0.4	0.0	140	0.0	0.0	0.0
2046	0.0	0.4	0.0	141	0.0	0.0	0.0
2047	0.0	0.1	0.0	51	0.0	0.0	0.0
2048	0.0	0.1	0.0	26	0.0	0.0	0.0
2049	0.0	0.0	0.0	9	0.0	0.0	0.0
2050	0.0	0.0	0.0	0	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading, and site preparation																				
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	5/19/2043	5/16/2044	13	260	0.037	0.004	0.000	0.000	0.001	25.7	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	5/19/2043	5/16/2044	13	260	0.034	0.028	0.000	0.000	0.003	5.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	8	4	8	5/19/2043	5/16/2044	13	260	0.043	0.009	0.001	0.001	0.006	20.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	5/19/2043	5/16/2044	13	260	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.25	8	2	4	5/19/2043	5/16/2044	13	260	0.035	0.003	0.000	0.000	0.002	5.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2043	5/16/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2043	5/16/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2043	5/16/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/19/2043	5/16/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2043	5/16/2044	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.170*	*0.045*	*0.001*	*0.001*	*0.012*	*63*	*0.001*
Trackwork and Systems																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.10	8	1	2	5/17/2044	5/13/2047	37	780	0.008	0.001	0.000	0.000	0.000	5.6	0.000
Excavator-75	Fleet Average	54	Diesel	3	0.38	0.50	8	4	12	5/17/2044	5/13/2047	37	780	0.053	0.045	0.000	0.000	0.005	8.8	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.25	8	2	6	5/17/2044	5/13/2047	37	780	0.034	0.002	0.000	0.000	0.000	10.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	3	0.42	1.00	8	8	24	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Welding Plant-600	Tier 4	380	Diesel	3	0.34	0.70	8	6	17	5/17/2044	5/13/2047	37	780	0.131	0.013	0.001	0.001	0.003	75.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/17/2044	5/13/2047	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.226*	*0.061*	*0.001*	*0.001*	*0.008*	*104*	*0.001*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-43	May-44	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate		May-43	May-44	13	260			0.0418	0.0316			
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate		May-43	May-44	13	260			0.0066	0.0010			
Truck Loading on site - idling	Number of Vehicles	46	12	3.83	May-43	May-44	13	260	0.0003	0.0002	0.0000	0.0000	0.0000	0.0341	0.0000
Trucks Traveling on site	Number of Vehicles	46	Paved	4.60	May-43	May-44	13	260	0.0002	0.0008	0.0000	0.0000	0.0000	0.2153	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0484*	*0.0326*	*0.0001*	*0.2494*	*0.0000*
Trackwork and Systems															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-44	May-47	37	780			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		May-44	May-47	37	780			0.0330	0.0250			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		May-44	May-47	37	780			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0098	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0198	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0333*	*0.0251*	*0.0000*	*0.0317*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation														
				May-43	May-44	13	260							
				May-43	May-44	13	260							
				May-43	May-44	13	260							
				May-43	May-44	13	260							
Trucks Traveling to site	Number of Vehicles	46	66	May-43	May-44	13	260	0.0294	0.1058	0.0250	0.0037	0.0031	75.1662	0.0007
				May-43	May-44	13	260							
Deliveries Traveling to site	Number of Vehicles	0	66	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-43	May-44	13	260							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-43	May-44	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-43	May-44	13	260							
Totals								*0.0294*	*0.1058*	*0.0250*	*0.0037*	*0.0031*	*75.1662*	*0.0007*
Trackwork and Systems														
				May-44	May-47	37	780							
				May-44	May-47	37	780							
				May-44	May-47	37	780							
				May-44	May-47	37	780							
Trucks Traveling to site	Number of Vehicles	2	66	May-44	May-47	37	780	0.0013	0.0048	0.0011	0.0002	0.0001	3.4185	0.0000
				May-44	May-47	37	780							
Deliveries Traveling to site	Number of Vehicles	7	66	May-44	May-47	37	780	0.0008	0.0018	0.0016	0.0002	0.0001	5.9509	0.0001
				May-44	May-47	37	780							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-44	May-47	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-44	May-47	37	780							
Totals								*0.0021*	*0.0066*	*0.0028*	*0.0003*	*0.0002*	*9.3694*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/15/2042	1/16/2043	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/15/2042	1/16/2043	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/15/2042	1/16/2043	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/2/2043	10/5/2043	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/2/2043	10/5/2043	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/2/2043	10/5/2043	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	4/21/2043	8/19/2043	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	4/21/2043	8/19/2043	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	4/21/2043	8/19/2043	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	4/21/2043	8/19/2043	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/21/2043	8/19/2043	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	7/20/2043	10/12/2043	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/20/2043	10/12/2043	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	7/20/2043	10/12/2043	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/20/2043	10/12/2043	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.0093	0.0009	0.0000	0.0000	0.0002	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.0276	0.0440	0.0010	0.0008	0.0012	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0179	0.0201	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/12/2043	7/11/2044	10	196	0.0191	0.0245	0.0010	0.0009	0.0009	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0186	0.0035	0.0002	0.0002	0.0025	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/12/2043	7/11/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/12/2043	7/11/2044	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/12/2043	7/11/2044	10	196	0.0104	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/12/2043	7/11/2044	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1279*	*0.1008*	*0.0029*	*0.0027*	*0.0062*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/14/2045	6/4/2046	16	320	0.0095	0.0009	0.0000	0.0000	0.0002	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/14/2045	6/4/2046	16	320	0.0151	0.0011	0.0000	0.0000	0.0002	7.9	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/14/2045	6/4/2046	16	320	0.0156	0.0016	0.0001	0.0001	0.0003	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/14/2045	6/4/2046	16	320	0.0107	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/14/2045	6/4/2046	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0509*	*0.0043*	*0.0002*	*0.0002*	*0.0008*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	6/5/2046	6/24/2047	13	275	0.0160	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/5/2046	6/24/2047	13	275	0.0422	0.0088	0.0006	0.0005	0.0067	19.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/5/2046	6/24/2047	13	275	0.0422	0.0088	0.0006	0.0005	0.0067	19.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	6/5/2046	6/24/2047	13	275	0.0451	0.0032	0.0001	0.0001	0.0006	13.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	6/24/2047	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1454*	*0.0219*	*0.0013*	*0.0012*	*0.0143*	*60*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	3.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	6/5/2046	12/12/2046	7	137	0.0166	0.0017	0.0001	0.0001	0.0003	8.9	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	6/5/2046	12/12/2046	7	137	0.0251	0.0021	0.0003	0.0002	0.0011	4.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	6/5/2046	12/12/2046	7	137	0.0071	0.0052	0.0000	0.0000	0.0002	3.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/5/2046	12/12/2046	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0488*	*0.0091*	*0.0003*	*0.0003*	*0.0016*	*20*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	11/28/2046	2/20/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	11/28/2046	2/20/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	11/28/2046	2/20/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	11/28/2046	2/20/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	11/28/2046	2/20/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/28/2046	2/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/28/2046	2/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/28/2046	2/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/28/2046	2/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/28/2046	2/20/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	12/12/2046	8/19/2047	9	179	0.0188	0.0019	0.0001	0.0001	0.0004	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	12/12/2046	8/19/2047	9	179	0.0169	0.0017	0.0001	0.0001	0.0003	9.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	12/12/2046	8/19/2047	9	179	0.0204	0.0046	0.0003	0.0003	0.0027	9.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	12/12/2046	8/19/2047	9	179	0.0198	0.0041	0.0003	0.0002	0.0032	9.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/12/2046	8/19/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0760*	*0.0123*	*0.0007*	*0.0006*	*0.0066*	*41*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Jan-43	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-42	Jan-43	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-42	Jan-43	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-42	Jan-43	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0181	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0209*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Oct-43	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-43	Oct-43	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-43	Oct-43	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0110	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0113*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Aug-43	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-43	Aug-43	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Apr-43	Aug-43	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0204	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-43	Aug-43	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0285	0.0000
				0.00	Apr-43	Aug-43	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0591*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-43	Oct-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-43	Oct-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0163	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-43	Oct-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0167*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-43	Jul-44	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-43	Jul-44	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt		Oct-43	Jul-44	10	196			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	96	20	8.00	Oct-43	Jul-44	10	196	0.0005	0.0004	0.0000	0.0000	0.0000	0.0697	0.0000
Trucks Traveling on site	Number of Vehicles	96	Paved	9.60	Oct-43	Jul-44	10	196	0.0005	0.0017	0.0001	0.0000	0.0001	0.4403	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0461*	*0.0262*	*0.0001*	*0.5100*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-45	Jun-46	16	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-45	Jun-46	16	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-45	Jun-46	16	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Mar-45	Jun-46	16	320	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-46	Jun-47	13	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-46	Jun-47	13	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-46	Jun-47	13	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0268	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0275*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-46	Dec-46	7	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-46	Dec-46	7	137			0.0219	0.0129			
Truck Loading Dust	Tons of material being loaded per day	828	Dirt		Jun-46	Dec-46	7	137			0.0009	0.0001			
Truck Loading on site - idling	Number of Vehicles	69	12	5.75	Jun-46	Dec-46	7	137	0.0004	0.0003	0.0000	0.0000	0.0000	0.0505	0.0000
Trucks Traveling on site	Number of Vehicles	69	Paved	6.90	Jun-46	Dec-46	7	137	0.0003	0.0012	0.0001	0.0000	0.0000	0.3088	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0015*	*0.0229*	*0.0131*	*0.0001*	*0.3593*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-46	Feb-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-46	Feb-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-46	Feb-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-46	Feb-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-46	Aug-47	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Dec-46	Aug-47	9	179			0.0111	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-46	Aug-47	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0111*	*0.0066*	*0.0000*	*0.0077*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
				Jul-42	Jan-43	7	134							
Trucks Traveling to site	Number of Vehicles	4	66	Jul-42	Jan-43	7	134	0.0025	0.0089	0.0021	0.0003	0.0003	6.3121	0.0001
				Jul-42	Jan-43	7	134							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-42	Jan-43	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Jan-43	7	134							
Totals								*0.0025*	*0.0089*	*0.0021*	*0.0003*	*0.0003*	*6.3121*	*0.0001*
Utility Relocation & Site Preparation														
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
				Jan-43	Oct-43	10	197							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Deliveries Traveling to site	Number of Vehicles	4	66	Jan-43	Oct-43	10	197	0.0004	0.0010	0.0009	0.0001	0.0001	3.2888	0.0000
				Jan-43	Oct-43	10	197							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Oct-43	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Oct-43	10	197							
Totals								*0.0004*	*0.0010*	*0.0009*	*0.0001*	*0.0001*	*3.2888*	*0.0000*
Shoring														
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
				Apr-43	Aug-43	5	87							
Trucks Traveling to site	Number of Vehicles	5	66	Apr-43	Aug-43	5	87	0.0028	0.0100	0.0024	0.0004	0.0003	7.1081	0.0001
				Apr-43	Aug-43	5	87							
Deliveries Traveling to site	Number of Vehicles	1	66	Apr-43	Aug-43	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7262	0.0000
				Apr-43	Aug-43	5	87							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Apr-43	Aug-43	5	87	0.0039	0.0140	0.0033	0.0005	0.0004	9.9514	0.0001
				Apr-43	Aug-43	5	87							
Totals								*0.0068*	*0.0242*	*0.0059*	*0.0009*	*0.0007*	*17.7857*	*0.0002*
Decking 12 weekends							*Prorated*							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
				Jul-43	Oct-43	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Jul-43	Oct-43	4	36	0.0007	0.0015	0.0013	0.0001	0.0001	4.8831	0.0000
				Jul-43	Oct-43	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-43	Oct-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-43	Oct-43	4	36							
Totals								*0.0007*	*0.0015*	*0.0013*	*0.0001*	*0.0001*	*4.8831*	*0.0000*
Excavation														
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
				Oct-43	Jul-44	10	196							
Trucks Traveling to site	Number of Vehicles	96	66	Oct-43	Jul-44	10	196	0.0601	0.2163	0.0512	0.0076	0.0064	153.7313	0.0014
				Oct-43	Jul-44	10	196							
Deliveries Traveling to site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-43	Jul-44	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-43	Jul-44	10	196							
Totals								*0.0601*	*0.2163*	*0.0512*	*0.0076*	*0.0064*	*153.7313*	*0.0014*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Mar-45	Jun-46	16	320							
				Mar-45	Jun-46	16	320							
				Mar-45	Jun-46	16	320							
				Mar-45	Jun-46	16	320							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Jun-46	16	320							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-45	Jun-46	16	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-45	Jun-46	16	320							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Mar-45	Jun-46	16	320	0.0048	0.0181	0.0044	0.0006	0.0005	12.8895	0.0001
				Mar-45	Jun-46	16	320							
Totals								*0.0048*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8895*	*0.0001*
MEP and Architectural finish work														
				Jun-46	Jun-47	13	275							
				Jun-46	Jun-47	13	275							
				Jun-46	Jun-47	13	275							
				Jun-46	Jun-47	13	275							
Trucks Traveling to site	Number of Vehicles	0	66	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-46	Jun-47	13	275							
Deliveries Traveling to site	Number of Vehicles	10	66	Jun-46	Jun-47	13	275	0.0010	0.0024	0.0023	0.0002	0.0001	8.0400	0.0001
				Jun-46	Jun-47	13	275							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-46	Jun-47	13	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-46	Jun-47	13	275							
Totals								*0.0010*	*0.0024*	*0.0023*	*0.0002*	*0.0001*	*8.0400*	*0.0001*
Backfill														
				Jun-46	Dec-46	7	137							
				Jun-46	Dec-46	7	137							
				Jun-46	Dec-46	7	137							
				Jun-46	Dec-46	7	137							
Trucks Traveling to site	Number of Vehicles	69	66	Jun-46	Dec-46	7	137	0.0394	0.1523	0.0367	0.0055	0.0041	108.2051	0.0010
				Jun-46	Dec-46	7	137							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-46	Dec-46	7	137							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-46	Dec-46	7	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-46	Dec-46	7	137							
Totals								*0.0394*	*0.1523*	*0.0367*	*0.0055*	*0.0041*	*108.2051*	*0.0010*
Decking Removal - 12 weekends							*Prorated*							
				Nov-46	Feb-47	4	36							
				Nov-46	Feb-47	4	36							
				Nov-46	Feb-47	4	36							
				Nov-46	Feb-47	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-46	Feb-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Feb-47	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Nov-46	Feb-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Nov-46	Feb-47	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-46	Feb-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-46	Feb-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Dec-46	Aug-47	9	179							
				Dec-46	Aug-47	9	179							
				Dec-46	Aug-47	9	179							
				Dec-46	Aug-47	9	179							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Aug-47	9	179							
Deliveries Traveling to site	Number of Vehicles	3	66	Dec-46	Aug-47	9	179	0.0003	0.0007	0.0007	0.0001	0.0000	2.2678	0.0000
				Dec-46	Aug-47	9	179							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-46	Aug-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-46	Aug-47	9	179							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2678*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.012	0.009	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	6/12/2041	5	87	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	6/12/2041	5	87	0.062	0.005	0.000	0.000	0.003	9.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	6/12/2041	5	87	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.129*	*0.018*	*0.000*	*0.000*	*0.004*	*32*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.017	0.014	0.000	0.000	0.001	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/28/2041	9/8/2042	17	335	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.010	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/28/2041	9/8/2042	17	335	0.017	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/28/2041	9/8/2042	17	335	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	3/4/2042	11/29/2042	9	194	0.061	0.006	0.000	0.000	0.001	43.0	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.142	0.014	0.001	0.001	0.003	97.9	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	2.3	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	6.8	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.030	0.002	0.000	0.000	0.000	12.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.043	0.011	0.001	0.001	0.006	21.9	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.029	0.003	0.000	0.000	0.001	4.8	0.000
Construction Equipment Total				*18*										*0.306*	*0.036*	*0.002*	*0.002*	*0.011*	*192*	*0.002*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.9	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	3/4/2042	11/29/2042	9	194	0.025	0.003	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	3/4/2042	11/29/2042	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/4/2042	11/29/2042	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.041*	*0.014*	*0.000*	*0.000*	*0.002*	*14*	*0.000*
Decking - 12 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	10/30/2042	1/22/2043	4	61	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	10/30/2042	1/22/2043	4	61	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	10/30/2042	1/22/2043	4	61	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/30/2042	1/22/2043	4	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.019	0.002	0.000	0.000	0.000	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.056	0.089	0.002	0.002	0.002	29.8	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.004	0.000	0.000	0.001	25.4	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.036	0.041	0.001	0.001	0.001	12.8	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	1/22/2043	9/28/2043	9	178	0.039	0.049	0.002	0.002	0.002	15.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.038	0.007	0.000	0.000	0.005	17.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	18.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/22/2043	9/28/2043	9	178	0.014	0.011	0.000	0.000	0.000	7.5	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/22/2043	9/28/2043	9	178	0.021	0.001	0.000	0.000	0.000	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/22/2043	9/28/2043	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.258*	*0.203*	*0.006*	*0.005*	*0.012*	*147*	*0.001*
Disassembly of TBM and Relocate														Row 84 Modified to Reflect Two Weekends Only (6/40)						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	2/1/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	12/8/2043	7/3/2045	20	410	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	12/8/2043	7/3/2045	20	410	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2043	7/3/2045	20	410	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/4/2045	11/19/2046	17	360	0.016	0.001	0.000	0.000	0.000	8.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/4/2045	11/19/2046	17	360	0.042	0.009	0.001	0.001	0.007	19.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	7/4/2045	11/19/2046	17	360	0.042	0.009	0.001	0.001	0.007	19.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	7/4/2045	11/19/2046	17	360	0.045	0.003	0.000	0.000	0.001	13.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	11/19/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.146*	*0.022*	*0.001*	*0.001*	*0.014*	*60*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	7.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.037	0.004	0.000	0.000	0.001	19.6	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.055	0.005	0.001	0.001	0.002	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	7/4/2045	3/31/2046	9	194	0.016	0.012	0.000	0.000	0.000	8.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/4/2045	3/31/2046	9	194	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.107*	*0.020*	*0.001*	*0.001*	*0.004*	*44*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	3/17/2046	6/9/2046	4	60	0.034	0.003	0.000	0.000	0.001	19.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	3/17/2046	6/9/2046	4	60	0.081	0.007	0.000	0.000	0.005	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/17/2046	6/9/2046	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.154*	*0.017*	*0.001*	*0.001*	*0.006*	*57*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.027	0.003	0.000	0.000	0.001	18.7	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.024	0.002	0.000	0.000	0.000	12.8	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.029	0.007	0.000	0.000	0.004	13.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	3/31/2046	1/14/2047	11	206	0.028	0.006	0.000	0.000	0.004	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/31/2046	1/14/2047	11	206	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.107*	*0.017*	*0.001*	*0.001*	*0.009*	*58*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	Jun-41	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Feb-41	Jun-41	5	87			0.0182	0.0138			
Truck Loading Dust	Tons of material being loaded per day	132	Aggregate		Feb-41	Jun-41	5	87			0.0014	0.0002			
Truck Loading on site - idling	Number of Vehicles	11	12	0.92	Feb-41	Jun-41	5	87	0.0001	0.0000	0.0000	0.0000	0.0000	0.0071	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Feb-41	Jun-41	5	87	0.0000	0.0002	0.0000	0.0000	0.0000	0.0458	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0196*	*0.0140*	*0.0000*	*0.0529*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Sep-42	17	335			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Sep-42	17	335			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Sep-42	17	335			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Mar-42	Nov-42	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Mar-42	Nov-42	9	194			0.0031	0.0005			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Mar-42	Nov-42	9	194	0.0001	0.0001	0.0000	0.0000	0.0000	0.0159	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Mar-42	Nov-42	9	194	0.0001	0.0004	0.0001	0.0000	0.0000	0.1019	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0125	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Mar-42	Nov-42	9	194	0.0002	0.0001	0.0000	0.0000	0.0000	0.0223	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Mar-42	Nov-42	9	194	0.0001	0.0005	0.0000	0.0000	0.0000	0.1427	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0011*	*0.0274*	*0.0147*	*0.0001*	*0.2957*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Nov-42	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Mar-42	Nov-42	9	194			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jan-43	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-42	Jan-43	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jan-43	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-43	Sep-43	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	32	Dirt		Jan-43	Sep-43	9	178			0.0887	0.0523			
Truck Loading Dust	Tons of material being loaded per day	5,740	Dirt		Jan-43	Sep-43	9	178			0.0062	0.0009			
Truck Loading on site - idling	Number of Vehicles	287	20	23.92	Jan-43	Sep-43	9	178	0.0016	0.0011	0.0000	0.0000	0.0001	0.2101	0.0000
Trucks Traveling on site	Number of Vehicles	287	Paved	28.70	Jan-43	Sep-43	9	178	0.0014	0.0051	0.0002	0.0000	0.0002	1.3284	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0030*	*0.0062*	*0.0951*	*0.0533*	*0.0003*	*1.5385*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Feb-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0019*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Jul-45	20	410			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Jul-45	20	410			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Dec-43	Jul-45	20	410	0.0000	0.0001	0.0000	0.0000	0.0000	0.0384	0.0000
				0.00	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0445*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Nov-46	17	360			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-45	Nov-46	17	360			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0276	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0283*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-45	Mar-46	9	194			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-45	Mar-46	9	194			0.0242	0.0143			
Truck Loading Dust	Tons of material being loaded per day	1,752	Dirt		Jul-45	Mar-46	9	194			0.0021	0.0003			
Truck Loading on site - idling	Number of Vehicles	146	12	12.17	Jul-45	Mar-46	9	194	0.0009	0.0006	0.0000	0.0000	0.0001	0.1172	0.0000
Trucks Traveling on site	Number of Vehicles	146	Paved	14.60	Jul-45	Mar-46	9	194	0.0007	0.0028	0.0001	0.0000	0.0001	0.7243	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0034*	*0.0264*	*0.0146*	*0.0002*	*0.8415*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jun-46	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jun-46	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0148	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jun-46	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0152*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-46	Jan-47	11	206			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	6	Dirt		Mar-46	Jan-47	11	206			0.0157	0.0093			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-46	Jan-47	11	206			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0095	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0157*	*0.0093*	*0.0000*	*0.0097*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
				Feb-41	Jun-41	5	87							
Trucks Traveling to site	Number of Vehicles	11	66	Feb-41	Jun-41	5	87	0.0065	0.0224	0.0052	0.0008	0.0007	15.9452	0.0001
				Feb-41	Jun-41	5	87							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-41	Jun-41	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	Jun-41	5	87							
Totals								*0.0065*	*0.0224*	*0.0052*	*0.0008*	*0.0007*	*15.9452*	*0.0001*
Utility Relocation & Site Preparation														
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
				May-41	Sep-42	17	335							
Trucks Traveling to site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Deliveries Traveling to site	Number of Vehicles	4	66	May-41	Sep-42	17	335	0.0005	0.0012	0.0009	0.0001	0.0001	3.5543	0.0000
				May-41	Sep-42	17	335							
Cement Trucks Traveling to site	Number of Vehicles	0	66	May-41	Sep-42	17	335	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Sep-42	17	335							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5543*	*0.0000*
Shoring														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling to site	Number of Vehicles	20	66	Mar-42	Nov-42	9	194	0.0142	0.0500	0.0117	0.0018	0.0015	35.5383	0.0003
				Mar-42	Nov-42	9	194							
Deliveries Traveling to site	Number of Vehicles	4	66	Mar-42	Nov-42	9	194	0.0005	0.0012	0.0010	0.0001	0.0001	3.7350	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling to site	Number of Vehicles	28	66	Mar-42	Nov-42	9	194	0.0199	0.0700	0.0164	0.0025	0.0021	49.7536	0.0005
				Mar-42	Nov-42	9	194							
Totals								*0.0346*	*0.1212*	*0.0291*	*0.0043*	*0.0037*	*89.0270*	*0.0008*
Shoring Cont.														
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
				Mar-42	Nov-42	9	194							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Nov-42	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Nov-42	9	194							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends							*Prorated*							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
				Oct-42	Jan-43	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Oct-42	Jan-43	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Oct-42	Jan-43	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-42	Jan-43	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jan-43	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

HH hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
				Jan-43	Sep-43	9	178							
Trucks Traveling to site	Number of Vehicles	287	66	Jan-43	Sep-43	9	178	0.1812	0.6525	0.1545	0.0230	0.0193	463.7612	0.0042
				Jan-43	Sep-43	9	178							
Deliveries Traveling to site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jan-43	Sep-43	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-43	Sep-43	9	178							
Totals								*0.1812*	*0.6525*	*0.1545*	*0.0230*	*0.0193*	*463.7612*	*0.0042*
Disassembly of TBM and Relocate														
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-43	Feb-44	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5565	0.0000
				Dec-43	Feb-44	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5565*	*0.0000*
Cast-in-place box structure														
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
				Dec-43	Jul-45	20	410							
Trucks Traveling to site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Deliveries Traveling to site	Number of Vehicles	0	66	Dec-43	Jul-45	20	410	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Jul-45	20	410							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Dec-43	Jul-45	20	410	0.0052	0.0189	0.0045	0.0007	0.0006	13.3992	0.0001
				Dec-43	Jul-45	20	410							
Totals								*0.0052*	*0.0189*	*0.0045*	*0.0007*	*0.0006*	*13.3992*	*0.0001*
MEP and Architectural finish work														
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
				Jul-45	Nov-46	17	360							
Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Deliveries Traveling to site	Number of Vehicles	10	66	Jul-45	Nov-46	17	360	0.0011	0.0025	0.0023	0.0002	0.0002	8.2779	0.0001
				Jul-45	Nov-46	17	360							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Nov-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Nov-46	17	360							
Totals								*0.0011*	*0.0025*	*0.0023*	*0.0002*	*0.0002*	*8.2779*	*0.0001*
Backfill														
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
				Jul-45	Mar-46	9	194							
Trucks Traveling to site	Number of Vehicles	146	66	Jul-45	Mar-46	9	194	0.0945	0.3567	0.0856	0.0127	0.0100	253.5301	0.0023
				Jul-45	Mar-46	9	194							
Deliveries Traveling to site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jul-45	Mar-46	9	194	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-45	Mar-46	9	194							
Totals								*0.0945*	*0.3567*	*0.0856*	*0.0127*	*0.0100*	*253.5301*	*0.0023*

HH hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*Prorated*							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
				Mar-46	Jun-46	4	36							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Deliveries Traveling to site	Number of Vehicles	13	66	Mar-46	Jun-46	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.4469	0.0000
				Mar-46	Jun-46	4	36							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jun-46	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jun-46	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.4469*	*0.0000*
Surface Restoration														
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
				Mar-46	Jan-47	11	206							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Deliveries Traveling to site	Number of Vehicles	4	66	Mar-46	Jan-47	11	206	0.0004	0.0008	0.0008	0.0001	0.0001	2.8471	0.0000
				Mar-46	Jan-47	11	206							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-46	Jan-47	11	206	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-46	Jan-47	11	206							
Totals								*0.0004*	*0.0008*	*0.0008*	*0.0001*	*0.0001*	*2.8471*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	4/9/2041	9/6/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/3/2041	3/3/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/3/2041	3/3/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/3/2041	3/3/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/3/2041	3/3/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.0001
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.0001
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	2/1/2042	3/22/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.0000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/1/2042	3/22/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.0001
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	2/1/2042	3/22/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/1/2042	3/22/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	3/22/2042	4/13/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	3/22/2042	4/13/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/22/2042	4/13/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/22/2042	4/13/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2043	4/13/2043	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	4/14/2043	12/7/2043	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	4/14/2043	12/7/2043	9	170	0.078	0.114	0.003	0.002	0.003	32.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	4/14/2043	12/7/2043	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/14/2043	12/7/2043	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.136*	*0.131*	*0.003*	*0.003*	*0.005*	*114*	*0.001*
TBM Reassembly														*Row 120 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	3/28/2044	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	3/29/2044	12/19/2044	10	190	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	3/29/2044	12/19/2044	10	190	0.051	0.004	0.000	0.000	0.001	15.4	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	3/29/2044	12/19/2044	10	190	0.037	0.004	0.000	0.000	0.001	20.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	53.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	55.4	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	3/29/2044	12/19/2044	10	190	0.078	0.114	0.003	0.002	0.003	32.4	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	3/29/2044	12/19/2044	10	190	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/29/2044	12/19/2044	10	190	0.039	0.004	0.000	0.000	0.001	22.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/29/2044	12/19/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.137*	*0.132*	*0.003*	*0.003*	*0.005*	*115*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	2/2/2044	9/11/2045	20	420	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	2/2/2044	9/11/2045	20	420	0.007	0.001	0.000	0.000	0.000	3.6	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	2/2/2044	9/11/2045	20	420	0.021	0.027	0.001	0.001	0.001	9.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	29.4	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	2/2/2044	9/11/2045	20	420	0.003	0.004	0.000	0.000	0.000	1.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	2/2/2044	9/11/2045	20	420	0.011	0.008	0.000	0.000	0.001	1.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.046*	*0.039*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	14.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/2/2044	9/11/2045	20	420	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	8/30/2044	5/20/2047	34	710	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	8/30/2044	5/20/2047	34	710	0.022	0.002	0.000	0.000	0.000	6.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	2.4	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	8/30/2044	5/20/2047	34	710	0.173	0.017	0.001	0.001	0.003	99.6	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	5/20/2047	34	710	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.199*	*0.019*	*0.001*	*0.001*	*0.004*	*112*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	1/13/2046	3/11/2047	15	301	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/13/2046	3/11/2047	15	301	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	1/13/2046	3/11/2047	15	301	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/13/2046	3/11/2047	15	301	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/13/2046	3/11/2047	15	301	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/12/2047	2/10/2048	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	3/12/2047	2/10/2048	12	240	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	3/12/2047	2/10/2048	12	240	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	3/12/2047	2/10/2048	12	240	0.043	0.003	0.000	0.000	0.001	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/12/2047	2/10/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.137*	*0.021*	*0.001*	*0.001*	*0.014*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	6/4/2047	11/11/2047	6	115	0.016	0.002	0.000	0.000	0.000	8.7	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	6/4/2047	11/11/2047	6	115	0.025	0.002	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	6/4/2047	11/11/2047	6	115	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/4/2047	11/11/2047	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/28/2047	12/16/2047	3	36	0.006	0.001	0.000	0.000	0.000	4.5	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	10/28/2047	12/16/2047	3	36	0.007	0.001	0.000	0.000	0.000	4.7	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	10/28/2047	12/16/2047	3	36	0.008	0.006	0.000	0.000	0.000	1.3	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	10/28/2047	12/16/2047	3	36	0.013	0.001	0.000	0.000	0.000	7.7	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	10/28/2047	12/16/2047	3	36	0.032	0.003	0.000	0.000	0.002	5.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	12/16/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	12/16/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	12/16/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/28/2047	12/16/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/28/2047	12/16/2047	3	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.066*	*0.011*	*0.000*	*0.000*	*0.003*	*23*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	11/11/2047	4/6/2048	6	106	0.033	0.003	0.000	0.000	0.001	23.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	11/11/2047	4/6/2048	6	106	0.030	0.003	0.000	0.000	0.001	16.0	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	11/11/2047	4/6/2048	6	106	0.036	0.008	0.000	0.000	0.005	17.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	11/11/2047	4/6/2048	6	106	0.035	0.007	0.000	0.000	0.006	15.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/11/2047	4/6/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.135*	*0.022*	*0.001*	*0.001*	*0.012*	*73*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Sep-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-41	Sep-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Apr-41	Sep-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Apr-41	Sep-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-41	Sep-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-41	Apr-42	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-41	Apr-42	9	178			0.0222	0.0131			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-41	Apr-42	9	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0222*	*0.0131*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Mar-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Mar-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-41	Mar-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-42	Mar-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-42	Mar-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-42	Mar-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Apr-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Mar-42	Apr-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	780	Dirt		Mar-42	Apr-43	14	276			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	39	20	3.25	Mar-42	Apr-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0284	0.0000
Trucks Traveling on site	Number of Vehicles	39	Paved	3.90	Mar-42	Apr-43	14	276	0.0002	0.0007	0.0000	0.0000	0.0000	0.1818	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0008*	*0.0451*	*0.0262*	*0.0000*	*0.2102*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-43	Apr-43	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-43	Apr-43	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Apr-43	Dec-43	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,360	Dirt		Apr-43	Dec-43	9	170			0.0014	0.0002			
Truck Loading on site - idling	Number of Vehicles	68	20	5.67	Apr-43	Dec-43	9	170	0.0004	0.0002	0.0000	0.0000	0.0000	0.0475	0.0000
Trucks Traveling on site	Number of Vehicles	68	Paved	6.80	Apr-43	Dec-43	9	170	0.0003	0.0012	0.0001	0.0000	0.0000	0.3006	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0447	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0014*	*0.0147*	*0.0080*	*0.0001*	*0.3940*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-43	Dec-43	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-43	Dec-43	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Mar-44	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Mar-44	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0054	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0055*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Dec-44	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Mar-44	Dec-44	10	190			0.0133	0.0079			
Truck Loading Dust	Tons of material being loaded per day	2,240	Dirt		Mar-44	Dec-44	10	190			0.0023	0.0004			
Truck Loading on site - idling	Number of Vehicles	112	20	9.33	Mar-44	Dec-44	10	190	0.0006	0.0004	0.0000	0.0000	0.0001	0.0790	0.0000
Trucks Traveling on site	Number of Vehicles	112	Paved	11.20	Mar-44	Dec-44	10	190	0.0005	0.0019	0.0001	0.0000	0.0001	0.4936	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0434	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0011*	*0.0023*	*0.0157*	*0.0082*	*0.0001*	*0.6171*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Dec-44	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Dec-44	10	190			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Dec-44	10	190			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Sep-45	20	420			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Feb-44	Sep-45	20	420			0.0265	0.0156			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Feb-44	Sep-45	20	420			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0265*	*0.0156*	*0.0000*	*0.0113*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Sep-45	20	420			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Sep-45	20	420			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Sep-45	20	420			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	May-47	34	710			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-44	May-47	34	710			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-44	May-47	34	710			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0196	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0202*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-46	Mar-47	15	301			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-46	Mar-47	15	301			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-46	Mar-47	15	301			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jan-46	Mar-47	15	301	0.0000	0.0001	0.0000	0.0000	0.0000	0.0367	0.0000
				0.00	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0427*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Feb-48	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-47	Feb-48	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-47	Feb-48	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Nov-47	6	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-47	Nov-47	6	115			0.0215	0.0127			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Jun-47	Nov-47	6	115			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Jun-47	Nov-47	6	115	0.0002	0.0002	0.0000	0.0000	0.0000	0.0317	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Jun-47	Nov-47	6	115	0.0002	0.0007	0.0000	0.0000	0.0000	0.1918	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0221*	*0.0128*	*0.0000*	*0.2234*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Dec-47	3	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-47	Dec-47	3	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-47	Dec-47	3	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0112	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Dec-47	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0115*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-47	Apr-48	6	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Nov-47	Apr-48	6	106			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-47	Apr-48	6	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0131	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0134*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
Trucks Traveling to site	Number of Vehicles	13	66	Apr-41	Sep-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Apr-41	Sep-41	6	109							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Deliveries Traveling to site	Number of Vehicles	4	66	Aug-41	Apr-42	9	178	0.0005	0.0012	0.0009	0.0001	0.0001	3.5673	0.0000
				Aug-41	Apr-42	9	178							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5673*	*0.0000*
Shoring														
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
Trucks Traveling to site	Number of Vehicles	5	66	Dec-41	Mar-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Dec-41	Mar-42	4	65							
Deliveries Traveling to site	Number of Vehicles	1	66	Dec-41	Mar-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Dec-41	Mar-42	4	65							
Cement Trucks Traveling to site	Number of Vehicles	7	66	Dec-41	Mar-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Dec-41	Mar-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*Prorated*							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
				Feb-42	Mar-42	2	21							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Feb-42	Mar-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Feb-42	Mar-42	2	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-42	Mar-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-42	Mar-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
				Mar-42	Apr-43	14	276							
Trucks Traveling to site	Number of Vehicles	39	66	Mar-42	Apr-43	14	276	0.0254	0.0891	0.0209	0.0031	0.0027	63.3801	0.0006
				Mar-42	Apr-43	14	276							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-42	Apr-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-43	14	276							
Totals								*0.0254*	*0.0891*	*0.0209*	*0.0031*	*0.0027*	*63.3801*	*0.0006*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling to site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
				Feb-43	Apr-43	3	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-43	Apr-43	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Feb-43	Apr-43	3	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-43	Apr-43	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-43	Apr-43	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling to site	Number of Vehicles	68	66	Apr-43	Dec-43	9	170	0.0410	0.1477	0.0350	0.0052	0.0044	104.9422	0.0010
				Apr-43	Dec-43	9	170							
Deliveries Traveling to site	Number of Vehicles	17	66	Apr-43	Dec-43	9	170	0.0018	0.0042	0.0036	0.0004	0.0003	13.4018	0.0001
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0428*	*0.1519*	*0.0385*	*0.0056*	*0.0046*	*118.3440*	*0.0011*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued														
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
				Apr-43	Dec-43	9	170							
Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Deliveries Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Apr-43	Dec-43	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-43	Dec-43	9	170							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
				Feb-44	Mar-44	2	40							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Deliveries Traveling to site	Number of Vehicles	2	66	Feb-44	Mar-44	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.6131	0.0000
				Feb-44	Mar-44	2	40							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Mar-44	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Mar-44	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.6131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)														
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
Trucks Traveling to site	Number of Vehicles	112	66	Mar-44	Dec-44	10	190	0.0659	0.2427	0.0579	0.0086	0.0070	172.5392	0.0016
				Mar-44	Dec-44	10	190							
Deliveries Traveling to site	Number of Vehicles	17	66	Mar-44	Dec-44	10	190	0.0017	0.0040	0.0036	0.0004	0.0002	13.0255	0.0001
				Mar-44	Dec-44	10	190							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	190							
Totals								*0.0676*	*0.2467*	*0.0615*	*0.0090*	*0.0072*	*185.5647*	*0.0017*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued														
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
				Mar-44	Dec-44	10	190							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	190							
Deliveries Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	190							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-44	Dec-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Dec-44	10	190							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
Trucks Traveling to site	Number of Vehicles	1	66	Feb-44	Sep-45	20	420	0.0006	0.0024	0.0006	0.0001	0.0001	1.7027	0.0000
				Feb-44	Sep-45	20	420							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Sep-45	20	420							
Cement Trucks Traveling to site	Number of Vehicles	1	66	Feb-44	Sep-45	20	420	0.0006	0.0024	0.0006	0.0001	0.0001	1.7027	0.0000
				Feb-44	Sep-45	20	420							
Totals								*0.0013*	*0.0048*	*0.0011*	*0.0002*	*0.0001*	*3.4054*	*0.0000*
Crosspassage - Continued														
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
				Feb-44	Sep-45	20	420							
Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Sep-45	20	420							
Deliveries Traveling to site	Number of Vehicles	0	66	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Sep-45	20	420							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Feb-44	Sep-45	20	420	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Sep-45	20	420							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Aug-44	May-47	34	710							
				Aug-44	May-47	34	710							
				Aug-44	May-47	34	710							
				Aug-44	May-47	34	710							
Trucks Traveling to site	Number of Vehicles	0	66	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	May-47	34	710							
Deliveries Traveling to site	Number of Vehicles	7	66	Aug-44	May-47	34	710	0.0008	0.0018	0.0016	0.0002	0.0001	5.8948	0.0001
				Aug-44	May-47	34	710							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Aug-44	May-47	34	710	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-44	May-47	34	710							
Totals								*0.0008*	*0.0018*	*0.0016*	*0.0002*	*0.0001*	*5.8948*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles per Day	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Jan-46	Mar-47	15	301							
				Jan-46	Mar-47	15	301							
				Jan-46	Mar-47	15	301							
				Jan-46	Mar-47	15	301							
Trucks Traveling to site	Number of Vehicles	0	66	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-46	Mar-47	15	301							
Deliveries Traveling to site	Number of Vehicles	0	66	Jan-46	Mar-47	15	301	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-46	Mar-47	15	301							
Cement Trucks Traveling to site	Number of Vehicles	8	66	Jan-46	Mar-47	15	301	0.0047	0.0181	0.0044	0.0006	0.0005	12.8630	0.0001
				Jan-46	Mar-47	15	301							
Totals								*0.0047*	*0.0181*	*0.0044*	*0.0006*	*0.0005*	*12.8630*	*0.0001*
MEP and Architectural finish work														
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
				Mar-47	Feb-48	12	240							
Trucks Traveling to site	Number of Vehicles	0	66	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Feb-48	12	240							
Deliveries Traveling to site	Number of Vehicles	10	66	Mar-47	Feb-48	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Mar-47	Feb-48	12	240							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Mar-47	Feb-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Feb-48	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Jun-47	Nov-47	6	115							
				Jun-47	Nov-47	6	115							
				Jun-47	Nov-47	6	115							
				Jun-47	Nov-47	6	115							
Trucks Traveling to site	Number of Vehicles	44	66	Jun-47	Nov-47	6	115	0.0239	0.0947	0.0229	0.0034	0.0025	67.2717	0.0006
				Jun-47	Nov-47	6	115							
Deliveries Traveling to site	Number of Vehicles	0	66	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Nov-47	6	115							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Jun-47	Nov-47	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Nov-47	6	115							
Totals								*0.0239*	*0.0947*	*0.0229*	*0.0034*	*0.0025*	*67.2717*	*0.0006*
Decking Removal - 7 weekends							*Prorated*							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
				Oct-47	Dec-47	3	21							
Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	Dec-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Dec-47	3	21							
Deliveries Traveling to site	Number of Vehicles	13	66	Oct-47	Dec-47	3	21	0.0004	0.0010	0.0010	0.0001	0.0001	3.3730	0.0000
				Oct-47	Dec-47	3	21							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Oct-47	Dec-47	3	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Dec-47	3	21							
Totals								*0.0004*	*0.0010*	*0.0010*	*0.0001*	*0.0001*	*3.3730*	*0.0000*
Surface Restoration														
				Nov-47	Apr-48	6	106							
				Nov-47	Apr-48	6	106							
				Nov-47	Apr-48	6	106							
				Nov-47	Apr-48	6	106							
Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Apr-48	6	106							
Deliveries Traveling to site	Number of Vehicles	6	66	Nov-47	Apr-48	6	106	0.0005	0.0011	0.0012	0.0001	0.0001	3.9290	0.0000
				Nov-47	Apr-48	6	106							
Cement Trucks Traveling to site	Number of Vehicles	0	66	Nov-47	Apr-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-47	Apr-48	6	106							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.9290*	*0.0000*

K LINE NORTHERN EXTENSION - Section 2 with Hollywood Bowl Option - LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.12	0.45	2.40	0.01	0.01	0.01	710
2042	0.43	2.80	9.25	0.04	0.08	0.08	4,414
2043	0.24	3.48	4.87	0.02	0.09	0.08	2,486
2044	0.26	2.30	5.21	0.02	0.05	0.05	3,366
2045	1.28	8.56	22.15	0.08	0.18	0.17	12,048
2046	0.71	3.97	15.73	0.06	0.09	0.09	8,679
2047	0.96	4.41	18.77	0.07	0.11	0.11	9,545
2048	0.70	3.03	13.63	0.06	0.09	0.08	6,888
2049	0.06	0.20	1.55	0.01	0.01	0.01	787
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.44	0.28	1
2042	0.00	0.02	0.01	0.00	1.45	0.84	7
2043	0.00	0.04	0.02	0.00	1.11	0.64	10
2044	0.00	0.03	0.01	0.00	0.36	0.21	7
2045	0.00	0.04	0.02	0.00	1.79	1.10	11
2046	0.00	0.02	0.01	0.00	0.79	0.52	5
2047	0.00	0.02	0.01	0.00	1.07	0.69	7
2048	0.00	0.01	0.01	0.00	0.85	0.55	4
2049	0.00	0.00	0.00	0.00	0.13	0.07	0
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.01	0.29	0.08	0.00	0.07	0.01	233
2042	0.08	2.63	0.76	0.02	0.64	0.09	1,987
2043	0.13	4.30	1.22	0.03	1.01	0.15	3,057
2044	0.08	2.78	0.76	0.02	0.70	0.10	2,123
2045	0.12	4.13	1.13	0.03	1.08	0.15	3,291
2046	0.05	1.63	0.44	0.01	0.46	0.06	1,425
2047	0.07	2.30	0.61	0.02	0.66	0.09	2,010
2048	0.04	1.21	0.33	0.01	0.39	0.05	1,186
2049	0.00	0.15	0.04	0.00	0.05	0.01	143
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.01	0.29	0.00	0.01	0.00	113
2042	0.01	0.05	1.43	0.01	0.03	0.01	555
2043	0.01	0.03	0.73	0.00	0.02	0.01	283
2044	0.01	0.03	0.95	0.00	0.02	0.01	372
2045	0.03	0.10	3.03	0.01	0.07	0.03	1,186
2046	0.02	0.08	2.28	0.01	0.05	0.02	895
2047	0.03	0.09	2.83	0.01	0.06	0.02	1,110
2048	0.02	0.07	2.15	0.01	0.05	0.02	844
2049	0.00	0.02	0.52	0.00	0.01	0.00	204
2050	0.00	0.01	0.25	0.00	0.01	0.00	98
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.13	0.75	2.78	0.01	0.53	0.31	1,057
2042	0.52	5.51	11.45	0.06	2.21	1.03	6,962
2043	0.38	7.85	6.84	0.05	2.22	0.87	5,836
2044	0.35	5.14	6.94	0.04	1.13	0.36	5,869
2045	1.43	12.83	26.33	0.12	3.12	1.44	16,537
2046	0.79	5.70	18.47	0.08	1.39	0.70	11,003
2047	1.05	6.82	22.22	0.10	1.91	0.92	12,673
2048	0.76	4.32	16.11	0.08	1.37	0.70	8,923
2049	0.07	0.37	2.10	0.01	0.19	0.09	1,134
2050	0.00	0.01	0.25	0.00	0.01	0.00	98
2051	-	-	-	-	-	-	-
Total for Project (US Tons)	5.49	49.29	113.49	0.56	14.09	6.42	70,092
BTUs							
CO2e (tons)							70,722
CO2 (metric tons)							63,587
CO2e (metric tons)							64,158

K LINE NORTHERN EXTENSION - Section 2 with Hollywood Bowl Option - LB Alternative

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	3	18	0	0	0
2042	3	21	71	0	1	1
2043	2	27	37	0	1	1
2044	2	18	40	0	0	0
2045	10	65	169	1	1	1
2046	5	30	120	0	1	1
2047	7	34	143	1	1	1
2048	5	23	104	0	1	1
2049	0	2	12	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*10*	*65*	*169*	*1*	*1*	*1*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	3	2
2042	0	0	0	0	11	6
2043	0	0	0	0	8	5
2044	0	0	0	0	3	2
2045	0	0	0	0	14	8
2046	0	0	0	0	6	4
2047	0	0	0	0	8	5
2048	0	0	0	0	6	4
2049	0	0	0	0	1	1
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*14*	*8*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	2	1	0	1	0
2042	1	20	6	0	5	1
2043	1	33	9	0	8	1
2044	1	21	6	0	5	1
2045	1	31	9	0	8	1
2046	0	12	3	0	4	0
2047	1	18	5	0	5	1
2048	0	9	3	0	3	0
2049	0	1	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*33*	*9*	*0*	*8*	*1*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	2	0	0	0
2042	0	0	11	0	0	0
2043	0	0	6	0	0	0
2044	0	0	7	0	0	0
2045	0	1	23	0	1	0
2046	0	1	17	0	0	0
2047	0	1	22	0	0	0
2048	0	1	16	0	0	0
2049	0	0	4	0	0	0
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*1*	*23*	*0*	*1*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	1	6	21	0	4	2
2042	4	42	87	0	17	8
2043	3	60	52	0	17	7
2044	3	39	53	0	9	3
2045	11	98	201	1	24	11
2046	6	43	141	1	11	5
2047	8	52	170	1	15	7
2048	6	33	123	1	10	5
2049	1	3	16	0	1	1
2050	0	0	2	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*11*	*98*	*201*	*1*	*24*	*11*
SCAQMD Thresholds	75	100	550	150	150	55

K LINE NORTHERN EXTENSION - Section 2 with Hollywood Bowl Option - LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.02	0.09	0.34	0.00	0.00	0.00	127
2045	0.14	0.57	2.16	0.01	0.01	0.01	842
2046	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2047	0.09	0.73	2.72	0.01	0.01	0.01	1,245
2048	0.08	0.61	2.26	0.01	0.01	0.01	1,037
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.00	0.00	0.00	0.00	0.10	0.07	0
2045	0.00	0.01	0.00	0.00	0.55	0.38	3
2046	0.00	0.00	0.00	0.00	0.40	0.30	0
2047	0.00	0.00	0.00	0.00	0.40	0.30	0
2048	0.00	0.00	0.00	0.00	0.33	0.25	0
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	0.00	0.00	0.00	0.00	0.00	0.00	-
2042	0.00	0.00	0.00	0.00	0.00	0.00	-
2043	0.00	0.00	0.00	0.00	0.00	0.00	-
2044	0.01	0.21	0.06	0.00	0.05	0.01	149
2045	0.03	1.06	0.29	0.01	0.26	0.04	764
2046	0.00	0.08	0.02	0.00	0.03	0.00	110
2047	0.00	0.08	0.02	0.00	0.03	0.00	110
2048	0.00	0.07	0.02	0.00	0.03	0.00	92
2049	0.00	0.00	0.00	0.00	0.00	0.00	-
2050	0.00	0.00	0.00	0.00	0.00	0.00	-
2051	0.00	0.00	0.00	0.00	0.00	0.00	-

Workers (tons per year)

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	0.00	0.00	0.07	0.00	0.00	0.00	26
2045	0.00	0.01	0.29	0.00	0.01	0.00	115
2046	0.00	0.01	0.36	0.00	0.01	0.00	141
2047	0.00	0.01	0.36	0.00	0.01	0.00	140
2048	0.00	0.01	0.29	0.00	0.01	0.00	115
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	-	-	-	-	-	-	-

Total

Year	Emission Burdens (Tons/Year)						
	VOC	NOx	CO	SO2	PM10	PM2.5	CO2
2041	-	-	-	-	-	-	-
2042	-	-	-	-	-	-	-
2043	-	-	-	-	-	-	-
2044	0.03	0.30	0.46	0.00	0.15	0.08	302
2045	0.17	1.65	2.74	0.02	0.83	0.43	1,723
2046	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2047	0.10	0.82	3.10	0.01	0.45	0.32	1,496
2048	0.08	0.69	2.58	0.01	0.38	0.27	1,244
2049	0.00	0.00	0.06	0.00	0.00	0.00	25
2050	0.00	0.00	0.05	0.00	0.00	0.00	20
2051	-	-	-	-	-	-	-
Total for MSF (US Tons)	0.48	4.29	12.09	0.06	2.27	1.41	6,306
BTUs							
CO2e (tons)							6,363
CO2 (metric tons)							5,721
CO2e (metric tons)							5,773

K LINE NORTHERN EXTENSION - Section 2 with Hollywood Bowl Option - LB Alternative: MSF Only

As a result of uncertainty in the timing for each section, 2041 was used as a representative "Year 1" for all sections when calculating construction emissions.

Construction Equipment (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	1	3	0	0	0
2045	1	4	16	0	0	0
2046	1	6	21	0	0	0
2047	1	6	21	0	0	0
2048	1	5	17	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*1*	*6*	*21*	*0*	*0*	*0*

On-Site Dirt Moving and On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	0	0	1	0
2045	0	0	0	0	4	3
2046	0	0	0	0	3	2
2047	0	0	0	0	3	2
2048	0	0	0	0	3	2
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*0*	*0*	*4*	*3*

Off-Site On-Road Vehicle Travel: Haul Trucks, Delivery Trucks, and Cement Trucks (tons per year)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	2	0	0	0	0
2045	0	8	2	0	2	0
2046	0	1	0	0	0	0
2047	0	1	0	0	0	0
2048	0	0	0	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*8*	*2*	*0*	*2*	*0*

Workers (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	0	1	0	0	0
2045	0	0	2	0	0	0
2046	0	0	3	0	0	0
2047	0	0	3	0	0	0
2048	0	0	2	0	0	0
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
maximum lbs per day	*0*	*0*	*3*	*0*	*0*	*0*

Total (lbs per day)

Year	Emission Burdens (lbs/day)					
	VOC	NOx	CO	SO2	PM10	PM2.5
2041	0	0	0	0	0	0
2042	0	0	0	0	0	0
2043	0	0	0	0	0	0
2044	0	2	4	0	1	1
2045	1	13	21	0	6	3
2046	1	6	24	0	3	2
2047	1	6	24	0	3	2
2048	1	5	20	0	3	2
2049	0	0	0	0	0	0
2050	0	0	0	0	0	0
2051	0	0	0	0	0	0
Total lbs per day						
maximum lbs per day	*1*	*13*	*24*	*0*	*6*	*3*
SCAQMD Thresholds	75	100	550	150	150	55

CO TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0710	0.0710	0.0710	0.0710	0.0710
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0736	0.0736	0.0736	0.0736	0.0736
HH	Equipment	0.0000	0.0000	0.1446	0.1446	0.1446	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863	0.0863
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0087	0.0087	0.0087	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.1534	0.1534	0.1534	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868	0.0868
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.1347	0.1347	0.1347	0.1347	0.2189	0.0842	0.0842	0.0842
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0081	0.0081	0.0086	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.1429	0.1429	0.1429	0.1429	0.2276	0.0847	0.0847	0.0847
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.1446	0.1446	0.2793	0.2210	0.2210	0.2919	0.3762	0.2415	0.2415	0.2415
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0003	0.0001	0.0001	0.0002	0.0002	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0087	0.0087	0.0167	0.0086	0.0086	0.0112	0.0117	0.0036	0.0036	0.0036
2.1198	Total	0.000	0.000	0.153	0.153	0.296	0.230	0.230	0.303	0.388	0.245	0.245	0.245
YEARLY TOTALS		2.489											

CO TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0710	0.0839	0.0839	0.0839	0.4219	0.4219	0.4219	0.4661	0.1280	0.1280	0.1279	0.1279
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0026	0.0005	0.0005	0.0005	0.0075	0.0075	0.0075	0.0082	0.0012	0.0012	0.0621	0.0621
	Total	0.0736	0.0844	0.0844	0.0844	0.4295	0.4295	0.4295	0.4743	0.1292	0.1292	0.1910	0.1910
HH	Equipment	0.0863	0.3811	0.3811	0.3811	0.3811	0.3811	0.3811	0.2948	0.3831	0.0883	0.0883	0.2708
	Activity	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000	0.0016
	Hauling	0.0005	0.0300	0.0300	0.0300	0.0300	0.0300	0.0300	0.0295	0.0302	0.0007	0.0007	0.1006
	Total	0.0868	0.4116	0.4116	0.4116	0.4116	0.4116	0.4116	0.3247	0.4138	0.0890	0.0890	0.3731
LBSM	Equipment	0.3384	0.3384	0.3899	0.1357	0.1287	0.1287	0.1287	0.1287	0.1287	0.1623	0.1287	0.1287
	Activity	0.0001	0.0001	0.0001	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0073	0.0073	0.0081	0.0013	0.0254	0.0254	0.0254	0.0254	0.0254	0.0257	0.0254	0.0254
	Total	0.3458	0.3458	0.3981	0.1370	0.1544	0.1544	0.1544	0.1544	0.1544	0.1884	0.1544	0.1544
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0544	0.0544	0.0596	0.0596	0.0596	0.1367	0.2473	0.2473
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0019	0.0019	0.0003	0.0003	0.0003	0.0060	0.0070	0.0070
	Total	0.0000	0.0000	0.0000	0.0000	0.0563	0.0563	0.0600	0.0600	0.0600	0.1429	0.2544	0.2544
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.4957	0.8034	0.8549	0.6007	0.9860	0.9860	0.9913	0.9491	0.6994	0.5154	0.5921	0.7747
TOTALS	Activity	0.0002	0.0006	0.0006	0.0005	0.0010	0.0010	0.0010	0.0010	0.0009	0.0005	0.0015	0.0032
	Hauling	0.0104	0.0377	0.0385	0.0317	0.0647	0.0647	0.0631	0.0633	0.0570	0.0336	0.0952	0.1951
2.1198	Total	0.506	0.842	0.894	0.633	1.052	1.052	1.055	1.013	0.757	0.549	0.689	0.973
YEARLY TOTALS		10.016											

CO TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.1279	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0621	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1910	0.1910	0.1910	0.1910	0.1910	0.1910	0.1910	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.2708	0.2708	0.2708	0.2708	0.2708	0.2708	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1006	0.1006	0.1006	0.1006	0.1006	0.1006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3731	0.3731	0.3731	0.3731	0.3731	0.3731	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.1287	0.1287	0.1287	0.1287	0.1287	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0254	0.0254	0.0254	0.0254	0.0254	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1544	0.1544	0.1544	0.1544	0.1544	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.2473	0.2473	0.2473	0.2473	0.2473	0.2473	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0070	0.0070	0.0070	0.0070	0.0070	0.0070	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.2544	0.2544	0.2544	0.2544	0.2544	0.2544	0.0393	0.0393	0.0393	0.0393	0.0393	0.0393
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.7747	0.7747	0.7747	0.7747	0.7747	0.6460	0.1645	0.0366	0.0366	0.0366	0.0366	0.0366
TOTALS	Activity	0.0032	0.0032	0.0032	0.0032	0.0032	0.0027	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1951	0.1951	0.1951	0.1951	0.1951	0.1697	0.0647	0.0026	0.0026	0.0026	0.0026	0.0026
2.1198	Total	0.973	0.973	0.973	0.973	0.973	0.818	0.230	0.039	0.039	0.039	0.039	0.039
YEARLY TOTALS		6.110											

CO TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1703	0.1703
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0285	0.0285
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1993	0.1993
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0198
LBSM	Equipment	0.0268	0.0268	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.2426	0.0000
	Activity	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0000
	Hauling	0.0001	0.0001	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0000
	Total	0.0270	0.0270	0.3113	0.3113	0.3113	0.3113	0.3113	0.3113	0.3113	0.3113	0.3113	0.0000
HB1	Equipment	0.0366	0.0366	0.0366	0.0427	0.0427	0.0427	0.0427	0.0427	0.4671	0.6039	0.4850	0.7332
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0004	0.0003	0.0004
	Hauling	0.0026	0.0026	0.0026	0.0004	0.0004	0.0004	0.0004	0.0004	0.0185	0.0241	0.0186	0.0268
	Total	0.0393	0.0393	0.0393	0.0431	0.0431	0.0431	0.0431	0.0431	0.4859	0.6284	0.5038	0.7605
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0635	0.0635	0.2792	0.2853	0.2853	0.2853	0.2853	0.2853	0.7097	0.8465	0.8979	0.9233
TOTALS	Activity	0.0000	0.0000	0.0012	0.0011	0.0011	0.0011	0.0011	0.0011	0.0014	0.0015	0.0019	0.0009
	Hauling	0.0028	0.0028	0.0702	0.0680	0.0680	0.0680	0.0680	0.0680	0.0860	0.0917	0.1146	0.0554
2.1198	Total	0.066	0.066	0.351	0.354	0.354	0.354	0.354	0.354	0.7972	0.9397	1.014	0.980
YEARLY TOTALS		5.986											

CO TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.1703	0.2263	0.2263
	Activity	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0000	0.0000
	Hauling	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0020	0.0020
	Total	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.1993	0.2283	0.2283
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595
HH	Equipment	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0867	0.2877	0.2877	0.2877	0.2877	0.2877	0.2877	0.2877	0.4843	0.2431	0.2431
	Activity	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000
	Hauling	0.0000	0.0015	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0415	0.0422	0.0020	0.0020
	Total	0.0000	0.0882	0.3298	0.3298	0.3298	0.3298	0.3298	0.3298	0.3298	0.5272	0.2451	0.2451
HB1	Equipment	1.4179	1.4179	1.4179	1.4179	1.4179	1.4457	1.4457	1.4457	1.4840	1.2311	1.2311	1.2037
	Activity	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0008	0.0005	0.0005	0.0004
	Hauling	0.0429	0.0429	0.0429	0.0429	0.0429	0.0439	0.0439	0.0439	0.0465	0.0293	0.0293	0.0227
	Total	1.4615	1.4615	1.4615	1.4615	1.4615	1.4904	1.4904	1.4904	1.5312	1.2609	1.2609	1.2268
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	1.6079	1.6749	1.8759	1.8759	1.8759	1.9037	1.9580	1.9580	1.9962	1.9400	1.7547	1.7273
TOTALS	Activity	0.0012	0.0012	0.0019	0.0019	0.0019	0.0019	0.0020	0.0020	0.0020	0.0017	0.0006	0.0005
	Hauling	0.0715	0.0729	0.1129	0.1129	0.1129	0.1139	0.1190	0.1190	0.1216	0.1051	0.0384	0.0319
2.1198	Total	1.681	1.749	1.991	1.991	1.991	2.019	2.079	2.079	2.120	2.047	1.794	1.760
YEARLY TOTALS		23.299											

CO TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
LBB	Equipment	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.0543	0.1777	0.1777	0.1777	0.1777
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0006	0.0006	0.0006	0.0006
	Hauling	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0355	0.0355	0.0355	0.0355
	Total	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.0595	0.2138	0.2138	0.2138	0.2138
HH	Equipment	0.0000	0.0000	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
	Total	0.0000	0.0000	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572
LBSM	Equipment	0.2431	0.2431	0.2431	0.2431	0.2943	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0067	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054
	Total	0.2451	0.2451	0.2451	0.2451	0.3011	0.2533	0.2533	0.2533	0.2533	0.2533	0.2533	0.2533
HB1	Equipment	0.6955	0.6955	0.6955	0.6955	0.6955	0.6955	0.6955	0.6955	0.6961	0.6961	0.6961	0.6961
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0121	0.0099	0.0099	0.0099	0.0099
	Total	0.7078	0.7078	0.7078	0.7078	0.7078	0.7078	0.7078	0.7078	0.7062	0.7062	0.7062	0.7062
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	1.2191	1.2191	1.2714	1.2714	1.3226	1.2761	1.2761	1.2761	1.4002	1.4002	1.4002	1.4002
TOTALS	Activity	0.0003	0.0003	0.0004	0.0004	0.0005	0.0005	0.0005	0.0005	0.0010	0.0010	0.0010	0.0010
	Hauling	0.0213	0.0213	0.0261	0.0261	0.0308	0.0295	0.0295	0.0295	0.0576	0.0576	0.0576	0.0576
2.1198	Total	1.241	1.241	1.298	1.298	1.354	1.306	1.306	1.306	1.459	1.459	1.459	1.459
YEARLY TOTALS		16.184											

CO TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283
LBB	Equipment	0.1777	0.1777	0.2623	0.2956	0.2956	0.2110	0.2110	0.2110	0.2110	0.0760	0.0760	0.0000
	Activity	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0355	0.0355	0.0360	0.0018	0.0018	0.0012	0.0012	0.0012	0.0012	0.0003	0.0003	0.0000
	Total	0.2138	0.2138	0.2989	0.2974	0.2974	0.2122	0.2122	0.2122	0.2122	0.0762	0.0762	0.0000
HH	Equipment	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.0523	0.1417	0.1417	0.1417	0.1417	0.1417
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0004	0.0004	0.0004	0.0004	0.0004
	Hauling	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0247	0.0247	0.0247	0.0247	0.0247
	Total	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.0572	0.1669	0.1669	0.1669	0.1669	0.1669
LBSM	Equipment	0.2478	0.2478	0.2478	0.2478	0.2478	0.2478	0.3341	0.3341	0.3341	0.3818	0.3818	0.3818
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004
	Hauling	0.0054	0.0054	0.0054	0.0054	0.0054	0.0054	0.0017	0.0017	0.0017	0.0256	0.0256	0.0256
	Total	0.2533	0.2533	0.2533	0.2533	0.2533	0.2533	0.3358	0.3358	0.3358	0.4079	0.4079	0.4079
HB1	Equipment	0.6961	0.6414	0.6414	0.7360	0.7360	0.6672	0.6967	0.6967	0.6967	0.8255	0.7753	0.7753
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0005	0.0005
	Hauling	0.0099	0.0112	0.0112	0.0129	0.0129	0.0111	0.0117	0.0117	0.0117	0.0165	0.0270	0.0270
	Total	0.7062	0.6527	0.6527	0.7490	0.7490	0.6785	0.7086	0.7086	0.7086	0.8423	0.8028	0.8028
HB2	Equipment	0.0000	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509	0.0509
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
	Total	0.0000	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532	0.0532
All Areas	Equipment	1.4002	1.3963	1.4808	1.6087	1.6087	1.4554	1.5712	1.6607	1.6607	1.7022	1.6520	1.5761
TOTALS	Activity	0.0010	0.0010	0.0010	0.0005	0.0005	0.0004	0.0004	0.0007	0.0007	0.0012	0.0014	0.0014
	Hauling	0.0576	0.0611	0.0617	0.0292	0.0292	0.0269	0.0237	0.0436	0.0436	0.0714	0.0819	0.0816
2.1198	Total	1.459	1.458	1.544	1.638	1.638	1.483	1.595	1.705	1.705	1.775	1.735	1.659
YEARLY TOTALS		19.395											

CO TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.2263	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000
	Total	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.2283	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.1417	0.1417	0.1417	0.1417	0.3676	0.3676	0.1622	0.1622	0.1622	0.1622	0.1622	0.1152
	Activity	0.0004	0.0004	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0247	0.0247	0.0247	0.0247	0.0020	0.0020	0.0012	0.0012	0.0012	0.0012	0.0012	0.0003
	Total	0.1669	0.1669	0.1669	0.1669	0.3695	0.3695	0.1635	0.1635	0.1635	0.1635	0.1635	0.1154
LBSM	Equipment	0.3818	0.3818	0.5677	0.4690	0.4690	0.3316	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0256	0.0256	0.0028	0.0022	0.0022	0.0012	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.4079	0.4079	0.5705	0.4712	0.4712	0.3328	0.1354	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.7753	0.7753	0.7753	0.6871	0.6871	0.6871	0.2504	0.2504	0.2411	0.2411	0.2411	0.2411
	Activity	0.0005	0.0005	0.0005	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0270	0.0270	0.0270	0.0138	0.0138	0.0138	0.0031	0.0031	0.0010	0.0010	0.0010	0.0010
	Total	0.8028	0.8028	0.8028	0.7011	0.7011	0.7011	0.2535	0.2535	0.2421	0.2421	0.2421	0.2421
HB2	Equipment	0.0509	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457	0.0457
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
	Total	0.0532	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461
All Areas	Equipment	1.5761	1.5709	1.7568	1.5699	1.7957	1.6582	0.8196	0.6846	0.6753	0.6753	0.4490	0.4019
TOTALS	Activity	0.0014	0.0014	0.0010	0.0007	0.0003	0.0003	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0816	0.0797	0.0568	0.0430	0.0203	0.0193	0.0072	0.0067	0.0047	0.0047	0.0026	0.0017
2.1198	Total	1.659	1.652	1.815	1.614	1.816	1.678	0.827	0.691	0.680	0.680	0.452	0.404
YEARLY TOTALS		13.967											

CO TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.1152	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1154	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.3600	0.3099	0.2763	0.1953	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0043	0.0282	0.0038	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.3644	0.3386	0.2802	0.1960	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0457	0.0457	0.0963	0.0506	0.0506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0007	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0461	0.0461	0.0971	0.0510	0.0510	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.5209	0.3557	0.3726	0.2459	0.0506	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0001	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0050	0.0285	0.0045	0.0010	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
2.1198	Total	0.526	0.385	0.377	0.247	0.051	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		1.586											

NOx TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0097	0.0097	0.0097	0.0097
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090
0.3210	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0188	0.0188	0.0188	0.0188
HH	Equipment	0.0000	0.0000	0.0198	0.0198	0.0198	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228
	Activity	0.0000	0.0000	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0297	0.0297	0.0297	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
0.57	Total	0.0000	0.0000	0.0498	0.0498	0.0498	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240	0.0240
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0407	0.0222	0.0222	0.0222
	Activity	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0277	0.0277	0.0277	0.0277	0.0289	0.0012	0.0012	0.0012
	Total	0.0000	0.0000	0.0000	0.0000	0.0464	0.0464	0.0464	0.0464	0.0698	0.0234	0.0234	0.0234
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0198	0.0198	0.0383	0.0413	0.0413	0.0510	0.0732	0.0548	0.0548	0.0548
TOTALS	Activity	0.0000	0.0000	0.0003	0.0003	0.0005	0.0003	0.0003	0.0004	0.0004	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0297	0.0297	0.0573	0.0289	0.0289	0.0378	0.0390	0.0114	0.0114	0.0114
1.2693	Total	0.000	0.000	0.050	0.050	0.096	0.070	0.070	0.089	0.113	0.066	0.066	0.066
YEARLY TOTALS		0.737											

NOx TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0097	0.0221	0.0221	0.0221	0.0689	0.0689	0.0689	0.0749	0.0282	0.0282	0.1008	0.1008
	Activity	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0003	0.0000	0.0000	0.0021	0.0021
	Hauling	0.0090	0.0011	0.0011	0.0011	0.0256	0.0256	0.0256	0.0272	0.0028	0.0028	0.2181	0.2181
0.3210	Total	0.0188	0.0233	0.0233	0.0233	0.0947	0.0947	0.0947	0.1023	0.0310	0.0310	0.3210	0.3210
HH	Equipment	0.0228	0.0659	0.0659	0.0659	0.0659	0.0659	0.0659	0.0431	0.0551	0.0121	0.0121	0.2134
	Activity	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000	0.0033
	Hauling	0.0012	0.1043	0.1043	0.1043	0.1043	0.1043	0.1043	0.1031	0.1047	0.0016	0.0016	0.3536
0.57	Total	0.0240	0.1711	0.1711	0.1711	0.1711	0.1711	0.1711	0.1471	0.1608	0.0137	0.0137	0.5703
LBSM	Equipment	0.0597	0.0597	0.0667	0.0293	0.1014	0.1014	0.1014	0.1014	0.1014	0.1043	0.1014	0.1014
	Activity	0.0002	0.0002	0.0002	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Hauling	0.0243	0.0243	0.0262	0.0031	0.0891	0.0891	0.0891	0.0891	0.0891	0.0900	0.0891	0.0891
	Total	0.0842	0.0842	0.0932	0.0324	0.1913	0.1913	0.1913	0.1913	0.1913	0.1951	0.1913	0.1913
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0075	0.0075	0.0157	0.0157	0.0157	0.0193	0.1618	0.1618
	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0068	0.0068	0.0008	0.0008	0.0008	0.0211	0.0247	0.0247
	Total	0.0000	0.0000	0.0000	0.0000	0.0143	0.0143	0.0165	0.0165	0.0165	0.0405	0.1867	0.1867
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0922	0.1477	0.1547	0.1173	0.2435	0.2435	0.2518	0.2351	0.2004	0.1638	0.3760	0.5773
TOTALS	Activity	0.0003	0.0012	0.0012	0.0010	0.0021	0.0021	0.0021	0.0021	0.0019	0.0011	0.0031	0.0065
	Hauling	0.0345	0.1297	0.1316	0.1085	0.2258	0.2258	0.2198	0.2202	0.1974	0.1155	0.3336	0.6856
1.2693	Total	0.127	0.279	0.288	0.227	0.471	0.471	0.474	0.457	0.400	0.280	0.713	1.269
YEARLY TOTALS		5.456											

NOx TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.1008	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.2181	0.2181	0.2181	0.2181	0.2181	0.2181	0.2181	0.0000	0.0000	0.0000	0.0000	0.0000
0.3210	Total	0.3210	0.3210	0.3210	0.3210	0.3210	0.3210	0.3210	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.2134	0.2134	0.2134	0.2134	0.2134	0.2134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.3536	0.3536	0.3536	0.3536	0.3536	0.3536	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.5703	0.5703	0.5703	0.5703	0.5703	0.5703	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.1014	0.1014	0.1014	0.1014	0.1014	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0008	0.0008	0.0008	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0891	0.0891	0.0891	0.0891	0.0891	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1913	0.1913	0.1913	0.1913	0.1913	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.1618	0.1618	0.1618	0.1618	0.1618	0.1618	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0247	0.0247	0.0247	0.0247	0.0247	0.0247	0.0094	0.0094	0.0094	0.0094	0.0094	0.0094
	Total	0.1867	0.1867	0.1867	0.1867	0.1867	0.1867	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.5773	0.5773	0.5773	0.5773	0.5773	0.4759	0.1041	0.0033	0.0033	0.0033	0.0033	0.0033
TOTALS	Activity	0.0065	0.0065	0.0065	0.0065	0.0065	0.0056	0.0022	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.6856	0.6856	0.6856	0.6856	0.6856	0.5964	0.2276	0.0094	0.0094	0.0094	0.0094	0.0094
1.2693	Total	1.269	1.269	1.269	1.269	1.269	1.078	0.334	0.013	0.013	0.013	0.013	0.013
YEARLY TOTALS		7.823											

NOx TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0450	0.0450
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1049	0.1049
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1509	0.1509
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3210	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
0.57	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0019
LBSM	Equipment	0.0023	0.0023	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.1409	0.0000
	Activity	0.0000	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0000
	Hauling	0.0004	0.0004	0.2467	0.2467	0.2467	0.2467	0.2467	0.2467	0.2467	0.2467	0.2467	0.0000
	Total	0.0026	0.0026	0.3899	0.3899	0.3899	0.3899	0.3899	0.3899	0.3899	0.3899	0.3899	0.0000
HB1	Equipment	0.0033	0.0033	0.0033	0.0056	0.0056	0.0056	0.0056	0.0056	0.1771	0.1963	0.1797	0.3426
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0008	0.0006	0.0009
	Hauling	0.0094	0.0094	0.0094	0.0009	0.0009	0.0009	0.0009	0.0009	0.0657	0.0864	0.0659	0.0966
	Total	0.0129	0.0129	0.0129	0.0065	0.0065	0.0065	0.0065	0.0065	0.2434	0.2835	0.2462	0.4401
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0056	0.0056	0.1442	0.1464	0.1464	0.1464	0.1464	0.1464	0.3179	0.3372	0.3655	0.3893
TOTALS	Activity	0.0001	0.0001	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0030	0.0032	0.0040	0.0019
	Hauling	0.0098	0.0098	0.2562	0.2477	0.2477	0.2477	0.2477	0.2477	0.3124	0.3331	0.4176	0.2017
1.2693	Total	0.015	0.015	0.403	0.396	0.396	0.396	0.3964	0.3964	0.6333	0.6735	0.787	0.593
YEARLY TOTALS		5.103											

NOx TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0450	0.0610	0.0610
	Activity	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001
	Hauling	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.1049	0.0065	0.0065
	Total	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.1509	0.0676	0.0676
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193
0.3210	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241
HH	Equipment	0.0018	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0429	0.1795	0.1795	0.1795	0.1795	0.1795	0.1795	0.1795	0.1985	0.0585	0.0585
	Activity	0.0000	0.0000	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0015	0.0001	0.0001
	Hauling	0.0000	0.0053	0.1542	0.1542	0.1542	0.1542	0.1542	0.1542	0.1542	0.1559	0.0065	0.0065
	Total	0.0000	0.0482	0.3352	0.3352	0.3352	0.3352	0.3352	0.3352	0.3352	0.3559	0.0650	0.0650
HB1	Equipment	0.5630	0.5630	0.5630	0.5630	0.5630	0.5825	0.5825	0.5825	0.5860	0.4014	0.4014	0.3926
	Activity	0.0014	0.0014	0.0014	0.0014	0.0014	0.0015	0.0015	0.0015	0.0016	0.0010	0.0010	0.0008
	Hauling	0.1533	0.1533	0.1533	0.1533	0.1533	0.1572	0.1572	0.1572	0.1669	0.1041	0.1041	0.0810
	Total	0.7177	0.7177	0.7177	0.7177	0.7177	0.7412	0.7412	0.7412	0.7545	0.5066	0.5066	0.4743
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.6097	0.6508	0.7874	0.7874	0.7874	0.8070	0.8116	0.8116	0.8151	0.6495	0.5256	0.5168
TOTALS	Activity	0.0024	0.0025	0.0039	0.0039	0.0039	0.0040	0.0041	0.0041	0.0042	0.0036	0.0013	0.0011
	Hauling	0.2584	0.2635	0.4124	0.4124	0.4124	0.4163	0.4356	0.4356	0.4453	0.3843	0.1365	0.1133
1.2693	Total	0.871	0.917	1.204	1.204	1.204	1.227	1.251	1.2514	1.2647	1.037	0.663	0.631
YEARLY TOTALS		12.725											

NOx TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
LBB	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0282	0.0282	0.0282	0.0282
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0013	0.0013	0.0013	0.0013
	Hauling	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.0193	0.1355	0.1355	0.1355	0.1355
0.3210	Total	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.0241	0.1650	0.1650	0.1650	0.1650
HH	Equipment	0.0000	0.0000	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044
	Activity	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0000	0.0000	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185
0.57	Total	0.0000	0.0000	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232
LBSM	Equipment	0.0585	0.0585	0.0585	0.0585	0.0628	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234
	Activity	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0247	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199
	Total	0.0650	0.0650	0.0650	0.0650	0.0877	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434
HB1	Equipment	0.2151	0.2151	0.2151	0.2151	0.2151	0.2151	0.2151	0.2151	0.2167	0.2167	0.2167	0.2167
	Activity	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003
	Hauling	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0432	0.0342	0.0342	0.0342	0.0342
	Total	0.2587	0.2587	0.2587	0.2587	0.2587	0.2587	0.2587	0.2587	0.2512	0.2512	0.2512	0.2512
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.3392	0.3392	0.3436	0.3436	0.3480	0.3085	0.3085	0.3085	0.3337	0.3337	0.3337	0.3337
TOTALS	Activity	0.0007	0.0007	0.0009	0.0009	0.0011	0.0010	0.0010	0.0010	0.0020	0.0020	0.0020	0.0020
	Hauling	0.0756	0.0756	0.0941	0.0941	0.1123	0.1075	0.1075	0.1075	0.2146	0.2146	0.2146	0.2146
1.2693	Total	0.415	0.415	0.439	0.439	0.461	0.417	0.417	0.417	0.550	0.550	0.550	0.550
YEARLY TOTALS		5.622											

NOx TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676
LBB	Equipment	0.0282	0.0282	0.0430	0.0474	0.0474	0.0327	0.0327	0.0327	0.0327	0.0123	0.0123	0.0000
	Activity	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1355	0.1355	0.1367	0.0041	0.0041	0.0029	0.0029	0.0029	0.0029	0.0006	0.0006	0.0000
0.3210	Total	0.1650	0.1650	0.1810	0.0515	0.0515	0.0355	0.0355	0.0355	0.0355	0.0130	0.0130	0.0000
HH	Equipment	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0237	0.0237	0.0237	0.0237	0.0237
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009
	Hauling	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0185	0.0961	0.0961	0.0961	0.0961	0.0961
0.57	Total	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.0232	0.1208	0.1208	0.1208	0.1208	0.1208
LBSM	Equipment	0.0234	0.0234	0.0234	0.0234	0.0234	0.0234	0.0397	0.0397	0.0397	0.0486	0.0486	0.0486
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009
	Hauling	0.0199	0.0199	0.0199	0.0199	0.0199	0.0199	0.0039	0.0039	0.0039	0.0986	0.0986	0.0986
	Total	0.0434	0.0434	0.0434	0.0434	0.0434	0.0434	0.0436	0.0436	0.0436	0.1481	0.1481	0.1481
HB1	Equipment	0.2167	0.1990	0.1990	0.2123	0.2123	0.2110	0.2205	0.2205	0.2205	0.2284	0.2926	0.2926
	Activity	0.0003	0.0004	0.0004	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0006	0.0010	0.0010
	Hauling	0.0342	0.0412	0.0412	0.0485	0.0485	0.0411	0.0431	0.0431	0.0431	0.0628	0.1042	0.1042
	Total	0.2512	0.2406	0.2406	0.2613	0.2613	0.2525	0.2640	0.2640	0.2640	0.2918	0.3978	0.3978
HB2	Equipment	0.0000	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090
	Total	0.0000	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
All Areas	Equipment	0.3337	0.3204	0.3352	0.3528	0.3528	0.3369	0.3627	0.3820	0.3820	0.3784	0.4426	0.4303
TOTALS	Activity	0.0020	0.0022	0.0022	0.0010	0.0010	0.0009	0.0008	0.0015	0.0015	0.0026	0.0030	0.0030
	Hauling	0.2146	0.2306	0.2318	0.1066	0.1066	0.0979	0.0838	0.1614	0.1614	0.2737	0.3151	0.3145
1.2693	Total	0.550	0.553	0.569	0.460	0.460	0.436	0.447	0.545	0.545	0.655	0.761	0.748
YEARLY TOTALS		6.730											

NOx TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0610	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0000	0.0000
	Total	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0676	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3210	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0237	0.0237	0.0237	0.0237	0.0482	0.0482	0.0249	0.0249	0.0249	0.0249	0.0249	0.0187
	Activity	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0961	0.0961	0.0961	0.0961	0.0045	0.0045	0.0029	0.0029	0.0029	0.0029	0.0029	0.0006
0.57	Total	0.1208	0.1208	0.1208	0.1208	0.0527	0.0527	0.0277	0.0277	0.0277	0.0277	0.0277	0.0193
LBSM	Equipment	0.0486	0.0486	0.0788	0.0616	0.0616	0.0409	0.0219	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0009	0.0009	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0986	0.0986	0.0064	0.0050	0.0050	0.0028	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1481	0.1481	0.0852	0.0666	0.0666	0.0438	0.0230	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.2926	0.2926	0.2926	0.2081	0.2081	0.2081	0.0236	0.0236	0.0249	0.0249	0.0249	0.0249
	Activity	0.0010	0.0010	0.0010	0.0005	0.0005	0.0005	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1042	0.1042	0.1042	0.0521	0.0521	0.0521	0.0112	0.0112	0.0023	0.0023	0.0023	0.0023
	Total	0.3978	0.3978	0.3978	0.2608	0.2608	0.2608	0.0349	0.0349	0.0272	0.0272	0.0272	0.0272
HB2	Equipment	0.0043	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Activity	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0090	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Total	0.0134	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068	0.0068
All Areas	Equipment	0.4303	0.4319	0.4621	0.3605	0.3849	0.3643	0.1374	0.1154	0.1167	0.1167	0.0557	0.0495
TOTALS	Activity	0.0030	0.0029	0.0020	0.0015	0.0006	0.0006	0.0002	0.0002	0.0001	0.0001	0.0001	0.0000
	Hauling	0.3145	0.3063	0.2141	0.1606	0.0689	0.0668	0.0225	0.0214	0.0125	0.0125	0.0060	0.0038
1.2693	Total	0.748	0.741	0.678	0.523	0.455	0.432	0.160	0.137	0.129	0.129	0.062	0.053
YEARLY TOTALS		4.247											

NOx TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3210	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0187	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.57	Total	0.0193	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0468	0.0402	0.0339	0.0189	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0011	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0154	0.1154	0.0142	0.0015	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0624	0.1567	0.0483	0.0204	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0060	0.0060	0.0142	0.0082	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0016	0.0008	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0068	0.0068	0.0158	0.0090	0.0090	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0715	0.0461	0.0481	0.0271	0.0082	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0002	0.0011	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0169	0.1162	0.0159	0.0023	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1.2693	Total	0.089	0.163	0.064	0.029	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.355											

PM_{10} TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0105	0.0105	0.0105	0.0105	0.0105
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0021	0.0021	0.0021	0.0021	0.0021
0.1003	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0129	0.0129	0.0129	0.0129	0.0129
HH	Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0120	0.0120	0.0120	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227	0.0227
	Hauling	0.0000	0.0000	0.0069	0.0069	0.0069	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0195	0.0195	0.0195	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242	0.0242
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0011	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0207	0.0207	0.0207	0.0207	0.0429	0.0222	0.0222	0.0222
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0064	0.0064	0.0064	0.0064	0.0073	0.0009	0.0009	0.0009
	Total	0.0000	0.0000	0.0000	0.0000	0.0276	0.0276	0.0276	0.0276	0.0513	0.0236	0.0236	0.0236
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0005	0.0005	0.0011	0.0011	0.0011	0.0014	0.0020	0.0015	0.0015	0.0015
TOTALS	Activity	0.0000	0.0000	0.0120	0.0120	0.0327	0.0434	0.0434	0.0539	0.0761	0.0554	0.0554	0.0554
	Hauling	0.0000	0.0000	0.0069	0.0069	0.0133	0.0073	0.0073	0.0094	0.0103	0.0039	0.0039	0.0039
0.3601	Total	0.000	0.000	0.019	0.019	0.047	0.052	0.052	0.065	0.088	0.061	0.061	0.061
YEARLY TOTALS		0.525											

PM_{10} TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0003	0.0006	0.0006	0.0006	0.0024	0.0024	0.0024	0.0026	0.0008	0.0008	0.0029	0.0029
	Activity	0.0105	0.0221	0.0221	0.0221	0.0422	0.0422	0.0422	0.0423	0.0221	0.0221	0.0461	0.0461
	Hauling	0.0021	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0081	0.0022	0.0022	0.0513	0.0513
0.1003	Total	0.0129	0.0235	0.0235	0.0235	0.0514	0.0514	0.0514	0.0530	0.0251	0.0251	0.1003	0.1003
HH	Equipment	0.0006	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0017	0.0021	0.0004	0.0004	0.0062
	Activity	0.0227	0.0460	0.0460	0.0460	0.0460	0.0460	0.0460	0.0233	0.0233	0.0000	0.0000	0.0500
	Hauling	0.0009	0.0257	0.0257	0.0257	0.0257	0.0257	0.0257	0.0248	0.0261	0.0013	0.0013	0.0831
	Total	0.0242	0.0740	0.0740	0.0740	0.0740	0.0740	0.0740	0.0498	0.0516	0.0017	0.0017	0.1393
LBSM	Equipment	0.0021	0.0021	0.0023	0.0008	0.0030	0.0030	0.0030	0.0030	0.0030	0.0031	0.0030	0.0030
	Activity	0.0410	0.0410	0.0410	0.0222	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451	0.0451
	Hauling	0.0064	0.0064	0.0079	0.0024	0.0209	0.0209	0.0209	0.0209	0.0209	0.0216	0.0209	0.0209
	Total	0.0495	0.0495	0.0513	0.0254	0.0690	0.0690	0.0690	0.0690	0.0690	0.0698	0.0690	0.0690
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0004	0.0004	0.0004	0.0008	0.0022	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0081	0.0081	0.0157	0.0157	0.0157	0.0174	0.0436	0.0436
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0016	0.0016	0.0006	0.0006	0.0006	0.0051	0.0058	0.0058
	Total	0.0000	0.0000	0.0000	0.0000	0.0099	0.0099	0.0167	0.0167	0.0167	0.0232	0.0516	0.0516
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0030	0.0050	0.0052	0.0037	0.0079	0.0079	0.0081	0.0077	0.0063	0.0051	0.0085	0.0144
TOTALS	Activity	0.0743	0.1091	0.1091	0.0903	0.1414	0.1414	0.1490	0.1263	0.1062	0.0846	0.1347	0.1847
	Hauling	0.0094	0.0330	0.0345	0.0290	0.0550	0.0550	0.0540	0.0544	0.0499	0.0302	0.0793	0.1611
0.3601	Total	0.087	0.147	0.149	0.123	0.204	0.204	0.211	0.189	0.162	0.120	0.223	0.360
YEARLY TOTALS		2.179											

PM_{10} TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0513	0.0000	0.0000	0.0000	0.0000	0.0000
0.1003	Total	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.1003	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0500	0.0500	0.0500	0.0500	0.0500	0.0500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0831	0.0831	0.0831	0.0831	0.0831	0.0831	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.1393	0.1393	0.1393	0.1393	0.1393	0.1393	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0030	0.0030	0.0030	0.0030	0.0030	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0451	0.0451	0.0451	0.0451	0.0451	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0209	0.0209	0.0209	0.0209	0.0209	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0690	0.0690	0.0690	0.0690	0.0690	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Activity	0.0436	0.0436	0.0436	0.0436	0.0436	0.0436	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.0516	0.0516	0.0516	0.0516	0.0516	0.0516	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0144	0.0144	0.0144	0.0144	0.0144	0.0114	0.0031	0.0001	0.0001	0.0001	0.0001	0.0001
TOTALS	Activity	0.1847	0.1847	0.1847	0.1847	0.1847	0.1396	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.1611	0.1611	0.1611	0.1611	0.1611	0.1401	0.0535	0.0022	0.0022	0.0022	0.0022	0.0022
0.3601	Total	0.360	0.360	0.360	0.360	0.360	0.291	0.103	0.002	0.002	0.002	0.002	0.002
YEARLY TOTALS		2.206											

PM_{10} TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	0.0484
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0250	0.0250
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0746	0.0746
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1003	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002
LBSM	Equipment	0.0001	0.0001	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0034	0.0000
	Activity	0.0000	0.0000	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0000
	Hauling	0.0003	0.0003	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0615	0.0000
	Total	0.0004	0.0004	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806	0.0806	0.0000
HB1	Equipment	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0033	0.0041	0.0034	0.0057
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0140	0.0314	0.0140	0.0578
	Hauling	0.0022	0.0022	0.0022	0.0008	0.0008	0.0008	0.0008	0.0008	0.0183	0.0234	0.0186	0.0257
	Total	0.0024	0.0024	0.0024	0.0011	0.0011	0.0011	0.0011	0.0011	0.0357	0.0589	0.0360	0.0892
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0002	0.0002	0.0035	0.0037	0.0037	0.0037	0.0037	0.0037	0.0067	0.0075	0.0080	0.0070
TOTALS	Activity	0.0000	0.0000	0.0157	0.0157	0.0157	0.0157	0.0157	0.0157	0.0298	0.0471	0.0782	0.1062
	Hauling	0.0025	0.0025	0.0637	0.0623	0.0623	0.0623	0.0623	0.0623	0.0798	0.0849	0.1051	0.0509
0.3601	Total	0.003	0.003	0.083	0.082	0.082	0.0817	0.0817	0.0817	0.1163	0.139	0.191	0.164
YEARLY TOTALS		1.108											

PM_{10} TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0010	0.0010
	Activity	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0484	0.0333	0.0333
	Hauling	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0250	0.0028	0.0028
	Total	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0746	0.0371	0.0371
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
0.1003	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048
HH	Equipment	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0016	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0055	0.0022	0.0022
	Activity	0.0000	0.0267	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0414	0.0267	0.0267
	Hauling	0.0000	0.0016	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0396	0.0412	0.0027	0.0027
	Total	0.0000	0.0299	0.0859	0.0859	0.0859	0.0859	0.0859	0.0859	0.0859	0.0882	0.0316	0.0316
HB1	Equipment	0.0100	0.0100	0.0100	0.0100	0.0100	0.0107	0.0107	0.0107	0.0108	0.0078	0.0078	0.0077
	Activity	0.0729	0.0729	0.0729	0.0729	0.0729	0.0946	0.0946	0.0946	0.0946	0.0285	0.0285	0.0277
	Hauling	0.0421	0.0421	0.0421	0.0421	0.0421	0.0431	0.0431	0.0431	0.0454	0.0304	0.0304	0.0249
	Total	0.1250	0.1250	0.1250	0.1250	0.1250	0.1483	0.1483	0.1483	0.1508	0.0668	0.0668	0.0602
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0113	0.0128	0.0160	0.0160	0.0160	0.0167	0.0168	0.0168	0.0170	0.0147	0.0112	0.0110
TOTALS	Activity	0.1213	0.1480	0.1627	0.1627	0.1627	0.1844	0.1844	0.1844	0.1844	0.1184	0.0886	0.0878
	Hauling	0.0673	0.0687	0.1068	0.1068	0.1068	0.1077	0.1124	0.1124	0.1147	0.1013	0.0406	0.0350
0.3601	Total	0.200	0.230	0.286	0.286	0.286	0.309	0.3136	0.3136	0.316	0.234	0.140	0.134
YEARLY TOTALS		3.047											

PM_{10} TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
LBB	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0015	0.0015	0.0015
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0200	0.0200	0.0200	0.0200
	Hauling	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0343	0.0343	0.0343	0.0343
0.1003	Total	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0048	0.0558	0.0558	0.0558	0.0558
HH	Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Total	0.0000	0.0000	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046
LBSM	Equipment	0.0022	0.0022	0.0022	0.0022	0.0023	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0267	0.0267	0.0267	0.0267	0.0267	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0027	0.0027	0.0071	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060
	Total	0.0316	0.0316	0.0316	0.0316	0.0362	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069
HB1	Equipment	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0043	0.0044	0.0044	0.0044	0.0044
	Activity	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143	0.0143
	Hauling	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0132	0.0116	0.0116	0.0116	0.0116
	Total	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0317	0.0303	0.0303	0.0303	0.0303
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0076	0.0076	0.0078	0.0078	0.0080	0.0065	0.0065	0.0065	0.0080	0.0080	0.0080	0.0080
TOTALS	Activity	0.0744	0.0744	0.0744	0.0744	0.0744	0.0477	0.0477	0.0477	0.0677	0.0677	0.0677	0.0677
	Hauling	0.0233	0.0233	0.0278	0.0278	0.0322	0.0310	0.0310	0.0310	0.0591	0.0591	0.0591	0.0591
0.3601	Total	0.105	0.105	0.110	0.110	0.115	0.085	0.085	0.085	0.135	0.135	0.135	0.135
YEARLY TOTALS		1.340											

PM_{10} TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371
LBB	Equipment	0.0015	0.0015	0.0019	0.0023	0.0023	0.0019	0.0019	0.0019	0.0019	0.0007	0.0007	0.0000
	Activity	0.0200	0.0200	0.0200	0.0112	0.0112	0.0112	0.0112	0.0112	0.0112	0.0111	0.0111	0.0000
	Hauling	0.0343	0.0343	0.0356	0.0041	0.0041	0.0028	0.0028	0.0028	0.0028	0.0007	0.0007	0.0000
0.1003	Total	0.0558	0.0558	0.0575	0.0176	0.0176	0.0159	0.0159	0.0159	0.0159	0.0125	0.0125	0.0000
HH	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0010	0.0010	0.0010	0.0010	0.0010
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0219	0.0219	0.0219	0.0219	0.0219
	Hauling	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0250	0.0250	0.0250	0.0250	0.0250
	Total	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0046	0.0479	0.0479	0.0479	0.0479	0.0479
LBSM	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0020	0.0020	0.0020	0.0023	0.0023	0.0023
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0221	0.0221	0.0221
	Hauling	0.0060	0.0060	0.0060	0.0060	0.0060	0.0060	0.0038	0.0038	0.0038	0.0267	0.0267	0.0267
	Total	0.0069	0.0069	0.0069	0.0069	0.0069	0.0069	0.0058	0.0058	0.0058	0.0511	0.0511	0.0511
HB1	Equipment	0.0044	0.0041	0.0041	0.0043	0.0043	0.0042	0.0044	0.0044	0.0044	0.0050	0.0066	0.0066
	Activity	0.0143	0.0131	0.0131	0.0231	0.0231	0.0302	0.0309	0.0309	0.0309	0.0313	0.0519	0.0519
	Hauling	0.0116	0.0132	0.0132	0.0144	0.0144	0.0131	0.0137	0.0137	0.0137	0.0181	0.0280	0.0280
	Total	0.0303	0.0304	0.0304	0.0417	0.0417	0.0475	0.0490	0.0490	0.0490	0.0543	0.0864	0.0864
HB2	Equipment	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022
	Total	0.0000	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023
All Areas	Equipment	0.0080	0.0078	0.0082	0.0088	0.0088	0.0084	0.0096	0.0105	0.0105	0.0101	0.0118	0.0111
TOTALS	Activity	0.0677	0.0665	0.0665	0.0676	0.0676	0.0747	0.0754	0.0973	0.0973	0.1197	0.1403	0.1292
	Hauling	0.0591	0.0629	0.0642	0.0339	0.0339	0.0313	0.0298	0.0503	0.0503	0.0754	0.0853	0.0846
0.3601	Total	0.135	0.137	0.139	0.110	0.110	0.114	0.115	0.158	0.158	0.205	0.237	0.225
YEARLY TOTALS		1.844											

PM_{10} TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000
	Activity	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0333	0.0000	0.0000
	Hauling	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0000	0.0000
	Total	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0371	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1003	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0010	0.0010	0.0010	0.0010	0.0024	0.0024	0.0014	0.0014	0.0014	0.0014	0.0014	0.0010
	Activity	0.0219	0.0219	0.0219	0.0219	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113	0.0113
	Hauling	0.0250	0.0250	0.0250	0.0250	0.0047	0.0047	0.0029	0.0029	0.0029	0.0029	0.0029	0.0007
	Total	0.0479	0.0479	0.0479	0.0479	0.0183	0.0183	0.0156	0.0156	0.0156	0.0156	0.0156	0.0130
LBSM	Equipment	0.0023	0.0023	0.0037	0.0032	0.0032	0.0019	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0221	0.0221	0.0198	0.0198	0.0198	0.0198	0.0198	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0267	0.0267	0.0065	0.0050	0.0050	0.0028	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0511	0.0511	0.0300	0.0280	0.0280	0.0245	0.0222	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0066	0.0066	0.0066	0.0041	0.0041	0.0041	0.0009	0.0009	0.0011	0.0011	0.0011	0.0011
	Activity	0.0519	0.0519	0.0519	0.0139	0.0139	0.0139	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0280	0.0280	0.0280	0.0154	0.0154	0.0154	0.0039	0.0039	0.0025	0.0025	0.0025	0.0025
	Total	0.0864	0.0864	0.0864	0.0334	0.0334	0.0334	0.0048	0.0048	0.0035	0.0035	0.0035	0.0035
HB2	Equipment	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0022	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Total	0.0023	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012
All Areas	Equipment	0.0111	0.0113	0.0126	0.0097	0.0110	0.0098	0.0049	0.0036	0.0038	0.0038	0.0028	0.0024
TOTALS	Activity	0.1292	0.1292	0.1269	0.0889	0.0783	0.0783	0.0644	0.0446	0.0446	0.0446	0.0113	0.0113
	Hauling	0.0846	0.0834	0.0631	0.0490	0.0287	0.0265	0.0117	0.0105	0.0091	0.0091	0.0063	0.0040
0.3601	Total	0.225	0.224	0.203	0.148	0.118	0.115	0.081	0.059	0.057	0.057	0.020	0.018
YEARLY TOTALS		1.324											

PM_{10} TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1003	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0113	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0018	0.0015	0.0013	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0183	0.0341	0.0183	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0059	0.0292	0.0047	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0260	0.0648	0.0243	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0003	0.0003	0.0008	0.0005	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0149	0.0149	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0018	0.0009	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0012	0.0012	0.0174	0.0162	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0032	0.0019	0.0021	0.0012	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0296	0.0341	0.0332	0.0149	0.0149	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0074	0.0301	0.0064	0.0025	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.3601	Total	0.040	0.066	0.042	0.018	0.016	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.183											

$PM_{2.5}$ TOTALS

Phase		Source	2041											
			1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0077	0.0077	0.0077	0.0077	0.0077
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082
HH		Equipment	0.0000	0.0000	0.0005	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	0.0010	Activity	0.0000	0.0000	0.0080	0.0080	0.0080	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134	0.0134
		Hauling	0.0000	0.0000	0.0010	0.0010	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		Total	0.0000	0.0000	0.0095	0.0095	0.0095	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141
LBSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0010	0.0005	0.0005	0.0005
	0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0146	0.0146	0.0146	0.0146	0.0277	0.0131	0.0131	0.0131
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0010	0.0010	0.0010	0.0010	0.0011	0.0001	0.0001	0.0001
		Total	0.0000	0.0000	0.0000	0.0000	0.0161	0.0161	0.0161	0.0161	0.0298	0.0137	0.0137	0.0137
HB1		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0000	0.0000	0.0005	0.0005	0.0010	0.0010	0.0010	0.0013	0.0018	0.0014	0.0014	0.0014
TOTALS		Activity	0.0000	0.0000	0.0080	0.0080	0.0226	0.0280	0.0280	0.0357	0.0488	0.0341	0.0341	0.0341
		Hauling	0.0000	0.0000	0.0010	0.0010	0.0020	0.0011	0.0011	0.0014	0.0015	0.0005	0.0005	0.0005
	0.1440	Total	0.000	0.000	0.010	0.010	0.026	0.030	0.030	0.038	0.052	0.036	0.036	0.036
YEARLY TOTALS			0.303											

$PM_{2.5}$ TOTALS

Phase		Source	2042											
			1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0003	0.0005	0.0005	0.0005	0.0023	0.0023	0.0023	0.0025	0.0007	0.0007	0.0027	0.0027
	0.0007	Activity	0.0077	0.0130	0.0130	0.0130	0.0246	0.0246	0.0246	0.0246	0.0130	0.0130	0.0262	0.0262
		Hauling	0.0003	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0011	0.0002	0.0002	0.0076	0.0076
	0.0366	Total	0.0082	0.0137	0.0137	0.0137	0.0279	0.0279	0.0279	0.0283	0.0140	0.0140	0.0366	0.0366
HH		Equipment	0.0006	0.0022	0.0022	0.0022	0.0022	0.0022	0.0022	0.0016	0.0020	0.0004	0.0004	0.0058
	0.0010	Activity	0.0134	0.0259	0.0259	0.0259	0.0259	0.0259	0.0259	0.0125	0.0125	0.0000	0.0000	0.0280
		Hauling	0.0001	0.0038	0.0038	0.0038	0.0038	0.0038	0.0038	0.0037	0.0038	0.0001	0.0001	0.0124
		Total	0.0141	0.0319	0.0319	0.0319	0.0319	0.0319	0.0319	0.0178	0.0184	0.0005	0.0005	0.0461
LBSM		Equipment	0.0020	0.0020	0.0022	0.0008	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
	0.0019	Activity	0.0239	0.0239	0.0239	0.0131	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262
		Hauling	0.0009	0.0009	0.0011	0.0003	0.0031	0.0031	0.0031	0.0031	0.0031	0.0032	0.0031	0.0031
		Total	0.0268	0.0268	0.0272	0.0141	0.0321	0.0321	0.0321	0.0321	0.0321	0.0322	0.0321	0.0321
HB1		Equipment	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0004	0.0004	0.0004	0.0007	0.0020	0.0020
	0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0059	0.0059	0.0093	0.0093	0.0093	0.0100	0.0256	0.0256
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0001	0.0001	0.0001	0.0007	0.0009	0.0009
		Total	0.0000	0.0000	0.0000	0.0000	0.0063	0.0063	0.0097	0.0097	0.0097	0.0115	0.0285	0.0285
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0028	0.0047	0.0050	0.0035	0.0075	0.0075	0.0077	0.0073	0.0059	0.0048	0.0079	0.0133
TOTALS		Activity	0.0450	0.0629	0.0629	0.0520	0.0826	0.0826	0.0860	0.0726	0.0610	0.0492	0.0781	0.1060
		Hauling	0.0013	0.0048	0.0049	0.0041	0.0081	0.0081	0.0079	0.0079	0.0072	0.0043	0.0118	0.0240
	0.1440	Total	0.049	0.072	0.073	0.060	0.098	0.098	0.102	0.088	0.074	0.058	0.098	0.143
YEARLY TOTALS			1.013											

$PM_{2.5}$ TOTALS

Phase		Source	2043											
			1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0366	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0058	0.0058	0.0058	0.0058	0.0058	0.0058	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0010	Activity	0.0280	0.0280	0.0280	0.0280	0.0280	0.0280	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0124	0.0124	0.0124	0.0124	0.0124	0.0124	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0461	0.0461	0.0461	0.0461	0.0461	0.0461	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0019	Activity	0.0262	0.0262	0.0262	0.0262	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0031	0.0031	0.0031	0.0031	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0321	0.0321	0.0321	0.0321	0.0321	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1		Equipment	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	0.0032	Activity	0.0256	0.0256	0.0256	0.0256	0.0256	0.0256	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0285	0.0285	0.0285	0.0285	0.0285	0.0285	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0133	0.0133	0.0133	0.0133	0.0133	0.0105	0.0028	0.0001	0.0001	0.0001	0.0001	0.0001
TOTALS		Activity	0.1060	0.1060	0.1060	0.1060	0.1060	0.0798	0.0262	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0240	0.0240	0.0240	0.0240	0.0240	0.0209	0.0080	0.0003	0.0003	0.0003	0.0003	0.0003
	0.1440	Total	0.143	0.143	0.143	0.143	0.143	0.111	0.037	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS			0.867											

$PM_{2.5}$ TOTALS

Phase		Source	2044											
			1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0011
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0326	0.0326
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0037
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0375	0.0375
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
LBSM		Equipment	0.0001	0.0001	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0031	0.0000
	0.0019	Activity	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0000
		Hauling	0.0000	0.0000	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0000
		Total	0.0001	0.0001	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0203	0.0000
HB1		Equipment	0.0001	0.0001	0.0001	0.0003	0.0003	0.0003	0.0003	0.0003	0.0031	0.0038	0.0032	0.0053
	0.0032	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081	0.0181	0.0081	0.0337
		Hauling	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0026	0.0033	0.0026	0.0037
		Total	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0137	0.0252	0.0138	0.0427
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0002	0.0002	0.0032	0.0034	0.0034	0.0034	0.0034	0.0034	0.0062	0.0069	0.0074	0.0065
TOTALS		Activity	0.0000	0.0000	0.0082	0.0082	0.0082	0.0082	0.0082	0.0082	0.0163	0.0263	0.0489	0.0663
		Hauling	0.0004	0.0004	0.0093	0.0091	0.0091	0.0091	0.0091	0.0091	0.0115	0.0123	0.0153	0.0074
	0.1440	Total	0.001	0.001	0.021	0.021	0.021	0.021	0.021	0.021	0.0340	0.0455	0.072	0.080
YEARLY TOTALS			0.356											

$PM_{2.5}$ TOTALS

Phase		Source	2045											
			1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF		Equipment	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0010	0.0010
	0.0005	Activity	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0326	0.0251	0.0251
		Hauling	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0037	0.0003	0.0003
		Total	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0264	0.0264
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
HH		Equipment	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0000	0.0015	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0051	0.0021	0.0021
	0.0019	Activity	0.0000	0.0158	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0238	0.0158	0.0158
		Hauling	0.0000	0.0002	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0057	0.0059	0.0003	0.0003
		Total	0.0000	0.0175	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0339	0.0348	0.0182	0.0182
HB1		Equipment	0.0094	0.0094	0.0094	0.0094	0.0094	0.0100	0.0100	0.0100	0.0101	0.0074	0.0074	0.0072
	0.0032	Activity	0.0424	0.0424	0.0424	0.0424	0.0424	0.0552	0.0552	0.0552	0.0552	0.0165	0.0165	0.0161
		Hauling	0.0059	0.0059	0.0059	0.0059	0.0059	0.0061	0.0061	0.0061	0.0064	0.0042	0.0042	0.0034
		Total	0.0577	0.0577	0.0577	0.0577	0.0577	0.0713	0.0713	0.0713	0.0717	0.0281	0.0281	0.0267
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0106	0.0120	0.0149	0.0149	0.0149	0.0155	0.0157	0.0157	0.0158	0.0138	0.0107	0.0105
TOTALS		Activity	0.0750	0.0908	0.0988	0.0988	0.0988	0.1116	0.1116	0.1116	0.1116	0.0729	0.0573	0.0569
		Hauling	0.0097	0.0099	0.0154	0.0154	0.0154	0.0155	0.0162	0.0162	0.0165	0.0145	0.0055	0.0047
	0.1440	Total	0.095	0.113	0.129	0.129	0.129	0.143	0.144	0.1435	0.1440	0.101	0.073	0.072
YEARLY TOTALS			1.416											

$PM_{2.5}$ TOTALS

Phase		Source	2046											
			1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF		Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
LBB		Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0014	0.0014	0.0014	0.0014
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0114	0.0114	0.0114
		Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0050	0.0050	0.0050	0.0050
	0.0366	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0179	0.0179	0.0179	0.0179
HH		Equipment	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007
		Total	0.0000	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
LBSM		Equipment	0.0021	0.0021	0.0021	0.0021	0.0023	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	0.0019	Activity	0.0158	0.0158	0.0158	0.0158	0.0158	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0010	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
		Total	0.0182	0.0182	0.0182	0.0182	0.0190	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017
HB1		Equipment	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0040	0.0042	0.0042	0.0042	0.0042
	0.0032	Activity	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083	0.0083
		Hauling	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0015	0.0015	0.0015	0.0015
		Total	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0141	0.0140	0.0140	0.0140	0.0140
HB2		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0073	0.0073	0.0074	0.0074	0.0076	0.0063	0.0063	0.0063	0.0076	0.0076	0.0076	0.0076
TOTALS		Activity	0.0491	0.0491	0.0491	0.0491	0.0491	0.0334	0.0334	0.0334	0.0448	0.0448	0.0448	0.0448
		Hauling	0.0031	0.0031	0.0038	0.0038	0.0045	0.0043	0.0043	0.0043	0.0083	0.0083	0.0083	0.0083
	0.1440	Total	0.060	0.060	0.060	0.060	0.061	0.044	0.044	0.0439	0.0608	0.061	0.061	0.061
YEARLY TOTALS			0.676											

$PM_{2.5}$ TOTALS

Phase		Source	2047											
			1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF		Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264
LBB		Equipment	0.0014	0.0014	0.0018	0.0022	0.0022	0.0018	0.0018	0.0018	0.0018	0.0006	0.0006	0.0000
	0.0007	Activity	0.0114	0.0114	0.0115	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000
		Hauling	0.0050	0.0050	0.0051	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003	0.0001	0.0001	0.0000
	0.0366	Total	0.0179	0.0179	0.0184	0.0091	0.0091	0.0086	0.0086	0.0086	0.0086	0.0073	0.0073	0.0000
HH		Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0009	0.0009	0.0009	0.0009	0.0009
	0.0010	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0127	0.0127	0.0127	0.0127	0.0127
		Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0036	0.0036	0.0036	0.0036	0.0036
		Total	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0172	0.0172	0.0172	0.0172	0.0172
LBSM		Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0019	0.0019	0.0019	0.0022	0.0022	0.0022
	0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0128	0.0128
		Hauling	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0004	0.0004	0.0004	0.0038	0.0038	0.0038
		Total	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0023	0.0023	0.0023	0.0188	0.0188	0.0188
HB1		Equipment	0.0042	0.0038	0.0038	0.0041	0.0041	0.0040	0.0042	0.0042	0.0042	0.0047	0.0062	0.0062
	0.0032	Activity	0.0083	0.0076	0.0076	0.0148	0.0148	0.0177	0.0181	0.0181	0.0181	0.0180	0.0301	0.0301
		Hauling	0.0015	0.0018	0.0018	0.0020	0.0020	0.0017	0.0018	0.0018	0.0018	0.0025	0.0040	0.0040
		Total	0.0140	0.0132	0.0132	0.0208	0.0208	0.0234	0.0241	0.0241	0.0241	0.0252	0.0403	0.0403
HB2		Equipment	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
		Total	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
All Areas		Equipment	0.0076	0.0075	0.0078	0.0084	0.0084	0.0080	0.0091	0.0099	0.0099	0.0096	0.0111	0.0105
TOTALS		Activity	0.0448	0.0441	0.0441	0.0465	0.0465	0.0493	0.0497	0.0623	0.0623	0.0751	0.0872	0.0806
		Hauling	0.0083	0.0089	0.0090	0.0045	0.0045	0.0042	0.0038	0.0068	0.0068	0.0106	0.0121	0.0120
	0.1440	Total	0.061	0.060	0.061	0.059	0.059	0.061	0.063	0.079	0.079	0.095	0.110	0.103
YEARLY TOTALS			0.892											

$PM_{2.5}$ TOTALS

Phase		Source	2048											
			1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF		Equipment	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000
	0.0005	Activity	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0251	0.0000	0.0000
		Hauling	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0000	0.0000
		Total	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0264	0.0000	0.0000
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0009	0.0009	0.0009	0.0009	0.0022	0.0022	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010
	0.0010	Activity	0.0127	0.0127	0.0127	0.0127	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066
		Hauling	0.0036	0.0036	0.0036	0.0036	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001
		Total	0.0172	0.0172	0.0172	0.0172	0.0093	0.0093	0.0082	0.0082	0.0082	0.0082	0.0082	0.0077
LBSM		Equipment	0.0022	0.0022	0.0035	0.0030	0.0030	0.0019	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0019	Activity	0.0128	0.0128	0.0117	0.0117	0.0117	0.0117	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0038	0.0038	0.0007	0.0005	0.0005	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0188	0.0188	0.0158	0.0152	0.0152	0.0138	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000
HB1		Equipment	0.0062	0.0062	0.0062	0.0039	0.0039	0.0039	0.0009	0.0009	0.0010	0.0010	0.0010	0.0010
	0.0032	Activity	0.0301	0.0301	0.0301	0.0080	0.0080	0.0080	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0040	0.0040	0.0040	0.0021	0.0021	0.0021	0.0005	0.0005	0.0002	0.0002	0.0002	0.0002
		Total	0.0403	0.0403	0.0403	0.0140	0.0140	0.0140	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013
HB2		Equipment	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	0.0001	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
		Total	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
All Areas		Equipment	0.0105	0.0106	0.0119	0.0092	0.0105	0.0093	0.0046	0.0035	0.0036	0.0036	0.0027	0.0023
TOTALS		Activity	0.0806	0.0806	0.0795	0.0574	0.0514	0.0514	0.0434	0.0317	0.0317	0.0317	0.0066	0.0066
		Hauling	0.0120	0.0118	0.0087	0.0066	0.0035	0.0033	0.0013	0.0012	0.0010	0.0010	0.0006	0.0004
	0.1440	Total	0.103	0.103	0.100	0.073	0.065	0.064	0.049	0.036	0.036	0.036	0.010	0.009
YEARLY TOTALS			0.687											

$PM_{2.5}$ TOTALS

Phase		Source	2049											
			1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0005	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0007	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0366	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH		Equipment	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0010	Activity	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0077	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM		Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0019	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1		Equipment	0.0017	0.0015	0.0013	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0032	Activity	0.0108	0.0198	0.0108	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0007	0.0043	0.0006	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0132	0.0255	0.0126	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2		Equipment	0.0003	0.0003	0.0007	0.0004	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.0001	Activity	0.0000	0.0000	0.0088	0.0088	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0001	0.0001	0.0002	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Total	0.0004	0.0004	0.0097	0.0093	0.0093	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas		Equipment	0.0030	0.0018	0.0020	0.0012	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS		Activity	0.0174	0.0198	0.0195	0.0088	0.0088	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
		Hauling	0.0009	0.0043	0.0008	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	0.1440	Total	0.021	0.026	0.022	0.010	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS			0.089											

VOC TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0026	0.0026	0.0026	0.0026	0.0026
HH	Equipment	0.0000	0.0000	0.0048	0.0048	0.0048	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0058	0.0058	0.0058	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063	0.0063
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0045	0.0045	0.0045	0.0045	0.0105	0.0060	0.0060	0.0060
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0054	0.0054	0.0054	0.0054	0.0115	0.0061	0.0061	0.0061
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0048	0.0048	0.0093	0.0107	0.0107	0.0130	0.0191	0.0146	0.0146	0.0146
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0009	0.0009	0.0018	0.0009	0.0009	0.0012	0.0013	0.0004	0.0004	0.0004
	Total	0.000	0.000	0.006	0.006	0.011	0.012	0.012	0.014	0.020	0.015	0.015	0.015
YEARLY TOTALS		0.125											

VOC TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0024	0.0060	0.0060	0.0060	0.0177	0.0177	0.0177	0.0188	0.0071	0.0071	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0003	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008	0.0009	0.0002	0.0002	0.0066	0.0066
	Total	0.0026	0.0061	0.0061	0.0061	0.0185	0.0185	0.0185	0.0197	0.0073	0.0073	0.0129	0.0129
HH	Equipment	0.0062	0.0173	0.0173	0.0173	0.0173	0.0173	0.0173	0.0111	0.0133	0.0022	0.0022	0.0130
	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0002
	Hauling	0.0001	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0032	0.0033	0.0001	0.0001	0.0107
	Total	0.0063	0.0206	0.0206	0.0206	0.0206	0.0206	0.0206	0.0143	0.0167	0.0023	0.0023	0.0239
LBSM	Equipment	0.0157	0.0157	0.0170	0.0073	0.0062	0.0062	0.0062	0.0062	0.0062	0.0068	0.0062	0.0062
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0009	0.0002	0.0027	0.0027	0.0027	0.0027	0.0027	0.0028	0.0027	0.0027
	Total	0.0166	0.0166	0.0180	0.0075	0.0089	0.0089	0.0089	0.0089	0.0089	0.0096	0.0089	0.0089
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0018	0.0018	0.0043	0.0043	0.0043	0.0052	0.0139	0.0139
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0000	0.0000	0.0000	0.0006	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0020	0.0020	0.0043	0.0043	0.0043	0.0058	0.0146	0.0146
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0243	0.0391	0.0404	0.0306	0.0430	0.0430	0.0454	0.0404	0.0309	0.0213	0.0285	0.0393
TOTALS	Activity	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0003
	Hauling	0.0011	0.0041	0.0042	0.0035	0.0070	0.0070	0.0068	0.0068	0.0062	0.0037	0.0102	0.0208
	Total	0.025	0.043	0.045	0.034	0.050	0.050	0.052	0.047	0.037	0.025	0.039	0.060
YEARLY TOTALS		0.509											

VOC TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0066	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0129	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0130	0.0130	0.0130	0.0130	0.0130	0.0130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0107	0.0107	0.0107	0.0107	0.0107	0.0107	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0239	0.0239	0.0239	0.0239	0.0239	0.0239	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0062	0.0062	0.0062	0.0062	0.0062	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0089	0.0089	0.0089	0.0089	0.0089	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0139	0.0139	0.0139	0.0139	0.0139	0.0139	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.0146	0.0146	0.0146	0.0146	0.0146	0.0146	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0393	0.0393	0.0393	0.0393	0.0393	0.0331	0.0068	0.0006	0.0006	0.0006	0.0006	0.0006
TOTALS	Activity	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0208	0.0208	0.0208	0.0208	0.0208	0.0181	0.0069	0.0003	0.0003	0.0003	0.0003	0.0003
	Total	0.060	0.060	0.060	0.060	0.060	0.051	0.014	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.372											

VOC TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122	0.0122
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0030
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0153	0.0153
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003
LBSM	Equipment	0.0004	0.0004	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0071	0.0000
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0000	0.0000	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0072	0.0000
	Total	0.0005	0.0005	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0144	0.0000
HB1	Equipment	0.0006	0.0006	0.0006	0.0033	0.0033	0.0033	0.0033	0.0033	0.0332	0.0384	0.0337	0.0497
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001	0.0001	0.0020	0.0026	0.0020	0.0029
	Total	0.0009	0.0009	0.0009	0.0034	0.0034	0.0034	0.0034	0.0034	0.0353	0.0410	0.0358	0.0526
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0011	0.0011	0.0077	0.0104	0.0104	0.0104	0.0104	0.0104	0.0403	0.0455	0.0530	0.0622
TOTALS	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0001
	Hauling	0.0003	0.0003	0.0075	0.0073	0.0073	0.0073	0.0073	0.0073	0.0092	0.0098	0.0123	0.0059
	Total	0.001	0.001	0.015	0.018	0.018	0.018	0.018	0.018	0.050	0.055	0.065	0.068
YEARLY TOTALS		0.346											

VOC TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0122	0.0076	0.0076
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0030	0.0002	0.0002
	Total	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0153	0.0079	0.0079
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
HH	Equipment	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0031	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0095	0.0131	0.0061	0.0061
	Activity	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Hauling	0.0000	0.0002	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0044	0.0045	0.0002	0.0002
	Total	0.0000	0.0032	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0140	0.0178	0.0063	0.0063
HB1	Equipment	0.0904	0.0904	0.0904	0.0904	0.0904	0.0919	0.0919	0.0919	0.0925	0.0747	0.0747	0.0731
	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Hauling	0.0047	0.0047	0.0047	0.0047	0.0047	0.0048	0.0048	0.0048	0.0051	0.0032	0.0032	0.0025
	Total	0.0951	0.0951	0.0951	0.0951	0.0951	0.0967	0.0967	0.0967	0.0977	0.0780	0.0780	0.0757
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.1029	0.1056	0.1120	0.1120	0.1120	0.1135	0.1144	0.1144	0.1151	0.1010	0.0893	0.0877
TOTALS	Activity	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
	Hauling	0.0077	0.0079	0.0121	0.0121	0.0121	0.0122	0.0128	0.0128	0.0131	0.0113	0.0042	0.0035
	Total	0.111	0.114	0.124	0.124	0.124	0.126	0.127	0.127	0.128	0.112	0.094	0.091
YEARLY TOTALS		1.404											

VOC TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
LBB	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0147	0.0147	0.0147	0.0147
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0038	0.0038	0.0038	0.0038
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0185	0.0185	0.0185	0.0185
HH	Equipment	0.0000	0.0000	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Total	0.0000	0.0000	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
LBSM	Equipment	0.0061	0.0061	0.0061	0.0061	0.0069	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0063	0.0063	0.0063	0.0063	0.0077	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051
HB1	Equipment	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0398	0.0421	0.0421	0.0421	0.0421
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0011	0.0011	0.0011
	Total	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0411	0.0432	0.0432	0.0432	0.0432
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0543	0.0543	0.0552	0.0552	0.0560	0.0536	0.0536	0.0536	0.0698	0.0698	0.0698	0.0698
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Hauling	0.0024	0.0024	0.0029	0.0029	0.0034	0.0032	0.0032	0.0032	0.0062	0.0062	0.0062	0.0062
	Total	0.057	0.057	0.058	0.058	0.059	0.057	0.057	0.057	0.076	0.076	0.076	0.076
YEARLY TOTALS		0.764											

VOC TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
LBB	Equipment	0.0147	0.0147	0.0182	0.0234	0.0234	0.0199	0.0199	0.0199	0.0199	0.0066	0.0066	0.0000
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0038	0.0038	0.0038	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0185	0.0185	0.0221	0.0236	0.0236	0.0200	0.0200	0.0200	0.0200	0.0066	0.0066	0.0000
HH	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0068	0.0068	0.0068	0.0068	0.0068
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0026	0.0026	0.0026	0.0026	0.0026
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0094	0.0094	0.0094	0.0094	0.0094
LBSM	Equipment	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0172	0.0172	0.0172	0.0188	0.0188	0.0188
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0002	0.0002	0.0002	0.0027	0.0027	0.0027
	Total	0.0051	0.0051	0.0051	0.0051	0.0051	0.0051	0.0174	0.0174	0.0174	0.0216	0.0216	0.0216
HB1	Equipment	0.0421	0.0388	0.0388	0.0403	0.0403	0.0405	0.0422	0.0422	0.0422	0.0438	0.0435	0.0435
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001
	Hauling	0.0011	0.0012	0.0012	0.0014	0.0014	0.0012	0.0013	0.0013	0.0013	0.0018	0.0029	0.0029
	Total	0.0432	0.0401	0.0401	0.0417	0.0417	0.0417	0.0435	0.0435	0.0435	0.0457	0.0464	0.0464
HB2	Equipment	0.0000	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011
All Areas	Equipment	0.0698	0.0673	0.0708	0.0774	0.0774	0.0741	0.0886	0.0945	0.0945	0.0844	0.0840	0.0775
TOTALS	Activity	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0001	0.0001	0.0001	0.0002	0.0002
	Hauling	0.0062	0.0066	0.0067	0.0033	0.0033	0.0030	0.0027	0.0048	0.0048	0.0077	0.0088	0.0087
	Total	0.076	0.074	0.078	0.081	0.081	0.077	0.091	0.099	0.099	0.092	0.093	0.086
YEARLY TOTALS		1.028											

VOC TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0076	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000
	Total	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0068	0.0068	0.0068	0.0068	0.0219	0.0219	0.0136	0.0136	0.0136	0.0136	0.0136	0.0100
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0026	0.0026	0.0026	0.0026	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000
	Total	0.0094	0.0094	0.0094	0.0094	0.0222	0.0222	0.0138	0.0138	0.0138	0.0138	0.0138	0.0100
LBSM	Equipment	0.0188	0.0188	0.0330	0.0289	0.0289	0.0153	0.0117	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0027	0.0027	0.0004	0.0003	0.0003	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0216	0.0216	0.0334	0.0292	0.0292	0.0155	0.0118	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0435	0.0435	0.0435	0.0385	0.0385	0.0385	0.0045	0.0045	0.0072	0.0072	0.0072	0.0072
	Activity	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0029	0.0029	0.0029	0.0015	0.0015	0.0015	0.0003	0.0003	0.0001	0.0001	0.0001	0.0001
	Total	0.0464	0.0464	0.0464	0.0400	0.0400	0.0400	0.0049	0.0049	0.0073	0.0073	0.0073	0.0073
HB2	Equipment	0.0008	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035	0.0035
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0011	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036
All Areas	Equipment	0.0775	0.0802	0.0944	0.0853	0.1004	0.0869	0.0410	0.0293	0.0319	0.0319	0.0243	0.0207
TOTALS	Activity	0.0002	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0087	0.0086	0.0062	0.0047	0.0024	0.0023	0.0009	0.0008	0.0006	0.0006	0.0004	0.0002
	Total	0.086	0.089	0.101	0.090	0.103	0.089	0.042	0.030	0.033	0.033	0.025	0.021
YEARLY TOTALS		0.741											

VOC TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0115	0.0074	0.0063	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0005	0.0029	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0120	0.0104	0.0067	0.0037	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0035	0.0035	0.0079	0.0044	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0036	0.0036	0.0080	0.0044	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0250	0.0110	0.0142	0.0080	0.0044	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0030	0.0005	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.026	0.014	0.015	0.008	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.067											

CO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	-	-	-	-	-	-	-	17	17	17	17	17
	Activity	-	-	-	-	-	-	-	0	0	0	0	0
	Hauling	-	-	-	-	-	-	-	6	6	6	6	6
	Total	-	-	-	-	-	-	-	24	24	24	24	24
HH	Equipment	-	-	36	36	36	32	32	32	32	32	32	32
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	21	21	21	4	4	4	4	4	4	4
	Total	-	-	57	57	57	36	36	36	36	36	36	36
LBSM	Equipment	-	-	-	-	33	33	33	33	64	31	31	31
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	20	20	20	20	23	4	4	4
	Total	-	-	-	-	53	53	53	53	88	35	35	35
HB1	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	-	-	36	36	69	65	65	83	114	81	81	81
TOTALS	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	21	21	41	23	23	30	33	14	14	14
	Total	-	-	57	57	110	89	89	112	147	95	95	95
YEARLY TOTALS		943.980											

CO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	17	31	31	31	169	169	169	193	55	55	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	1	1
	Hauling	6	3	3	3	21	21	21	26	8	8	155	155
	Total	24	35	35	35	190	190	190	219	64	64	228	228
HH	Equipment	32	207	207	207	207	207	207	175	223	48	48	154
	Activity	0	0	0	0	0	0	0	0	0	0	0	1
	Hauling	4	79	79	79	79	79	79	76	81	5	5	251
	Total	36	287	287	287	287	287	287	251	304	53	53	406
LBSM	Equipment	136	136	163	59	73	73	73	73	73	91	73	73
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	21	21	26	9	63	63	63	63	63	66	63	63
	Total	156	156	190	69	137	137	137	137	137	158	137	137
HB1	Equipment	-	-	-	-	13	13	22	22	22	57	88	88
	Activity	-	-	-	-	0	0	0	0	0	0	0	0
	Hauling	-	-	-	-	5	5	2	2	2	15	18	18
	Total	-	-	-	-	18	18	25	25	25	73	106	106
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	185	374	402	298	462	462	471	463	373	252	282	389
TOTALS	Activity	0	0	0	0	1	1	1	1	1	0	1	2
	Hauling	31	103	109	92	169	169	167	168	155	95	241	487
	Total	216	478	511	390	632	632	638	632	529	347	524	878
YEARLY TOTALS		6407.066											

CO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	73	73	73	73	73	73	73	-	-	-	-	-
	Activity	1	1	1	1	1	1	1	-	-	-	-	-
	Hauling	155	155	155	155	155	155	155	-	-	-	-	-
	Total	228	228	228	228	228	228	228	-	-	-	-	-
HH	Equipment	154	154	154	154	154	154	-	-	-	-	-	-
	Activity	1	1	1	1	1	1	-	-	-	-	-	-
	Hauling	251	251	251	251	251	251	-	-	-	-	-	-
	Total	406	406	406	406	406	406	-	-	-	-	-	-
LBSM	Equipment	73	73	73	73	73	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	63	63	63	63	63	-	-	-	-	-	-	-
	Total	137	137	137	137	137	-	-	-	-	-	-	-
HB1	Equipment	88	88	88	88	88	88	26	26	26	26	26	26
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	18	18	18	18	18	18	7	7	7	7	7	7
	Total	106	106	106	106	106	106	33	33	33	33	33	33
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	389	389	389	389	389	315	99	26	26	26	26	26
TOTALS	Activity	2	2	2	2	2	1	1	0	0	0	0	0
	Hauling	487	487	487	487	487	424	162	7	7	7	7	7
	Total	878	878	878	878	878	741	261	33	33	33	33	33
YEARLY TOTALS		5553.345											

CO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	63	63
	Activity	-	-	-	-	-	-	-	-	-	-	0	0
	Hauling	-	-	-	-	-	-	-	-	-	-	75	75
	Total	-	-	-	-	-	-	-	-	-	-	138	138
LBB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	-	-	-	-	-	-	-	-	-	-	-	14
	Activity	-	-	-	-	-	-	-	-	-	-	-	0
	Hauling	-	-	-	-	-	-	-	-	-	-	-	1
	Total	-	-	-	-	-	-	-	-	-	-	-	15
LBSM	Equipment	19	19	233	233	233	233	233	233	233	233	233	-
	Activity	0	0	1	1	1	1	1	1	1	1	1	-
	Hauling	1	1	186	186	186	186	186	186	186	186	186	-
	Total	20	20	419	419	419	419	419	419	419	419	419	-
HB1	Equipment	26	26	26	19	19	19	19	19	189	246	198	286
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	7	7	7	3	3	3	3	3	57	72	58	79
	Total	33	33	33	22	22	22	22	22	246	318	256	365
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	45	45	259	252	252	252	252	252	422	479	494	363
TOTALS	Activity	0	0	1	1	1	1	1	1	1	1	1	1
	Hauling	8	8	192	189	189	189	189	189	243	258	318	154
	Total	52	52	452	441	441	441	441	441	665	738	813	518
YEARLY TOTALS		5496.836											

CO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	63	63	63	63	63	63	63	63	63	63	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	75	75	75	75	75	75	75	75	75	75	9	9
	Total	138	138	138	138	138	138	138	138	138	138	113	113
LBB	Equipment	-	-	-	-	-	-	40	40	40	40	40	40
	Activity	-	-	-	-	-	-	0	0	0	0	0	0
	Hauling	-	-	-	-	-	-	14	14	14	14	14	14
	Total	-	-	-	-	-	-	54	54	54	54	54	54
HH	Equipment	14	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	1	-	-	-	-	-	-	-	-	-	-	-
	Total	15	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	-	98	302	302	302	302	302	302	302	412	180	180
	Activity	-	0	0	0	0	0	0	0	0	0	0	0
	Hauling	-	5	119	119	119	119	119	119	119	125	9	9
	Total	-	103	422	422	422	422	422	422	422	537	189	189
HB1	Equipment	648	648	648	648	648	680	680	680	707	666	666	651
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	130	130	130	130	130	133	133	133	140	95	95	78
	Total	779	779	779	779	779	813	813	813	847	761	761	729
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	725	809	1,013	1,013	1,013	1,045	1,085	1,085	1,112	1,181	990	975
TOTALS	Activity	1	1	1	1	1	1	1	1	1	1	0	0
	Hauling	206	210	324	324	324	327	341	341	348	308	127	110
	Total	931	1,020	1,339	1,339	1,339	1,373	1,427	1,427	1,461	1,491	1,117	1,085
YEARLY TOTALS		15350.460											

CO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
LBB	Equipment	40	40	40	40	40	40	40	40	74	74	74	74
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	14	14	14	14	14	14	14	14	102	102	102	102
	Total	54	54	54	54	54	54	54	54	176	176	176	176
HH	Equipment	-	-	39	39	39	39	39	39	39	39	39	39
	Activity	-	-	0	0	0	0	0	0	0	0	0	0
	Hauling	-	-	13	13	13	13	13	13	13	13	13	13
	Total	-	-	52	52	52	52	52	52	52	52	52	52
LBSM	Equipment	180	180	180	180	218	148	148	148	148	148	148	148
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	22	19	19	19	19	19	19	19
	Total	189	189	189	189	240	167	167	167	167	167	167	167
HB1	Equipment	375	375	375	375	375	375	375	375	365	365	365	365
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	41	41	41	41	41	41	41	41	37	37	37	37
	Total	416	416	416	416	416	416	416	416	402	402	402	402
HB2	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
All Areas	Equipment	699	699	738	738	776	705	705	705	729	729	729	729
TOTALS	Activity	0	0	0	0	0	0	0	0	1	1	1	1
	Hauling	73	73	86	86	99	96	96	96	180	180	180	180
	Total	772	772	824	824	875	802	802	802	909	909	909	909
YEARLY TOTALS		10108.770											

CO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	104	104
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	9	9	9	9	9	9	9	9	9	9	9	9
	Total	113	113	113	113	113	113	113	113	113	113	113	113
LBB	Equipment	74	74	103	126	126	97	97	97	97	41	41	-
	Activity	0	0	0	0	0	0	0	0	0	0	0	-
	Hauling	102	102	106	14	14	10	10	10	10	2	2	-
	Total	176	176	210	141	141	106	106	106	106	43	43	-
HH	Equipment	39	39	39	39	39	39	39	60	60	60	60	60
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	13	13	13	13	13	13	13	74	74	74	74	74
	Total	52	52	52	52	52	52	52	134	134	134	134	134
LBSM	Equipment	148	148	148	148	148	148	167	167	167	187	187	187
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	19	19	19	19	19	19	13	13	13	80	80	80
	Total	167	167	167	167	167	167	180	180	180	267	267	267
HB1	Equipment	365	336	336	351	351	343	358	358	358	414	412	412
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	37	40	40	44	44	40	42	42	42	55	84	84
	Total	402	376	376	395	395	383	400	400	400	469	496	496
HB2	Equipment	-	38	38	38	38	38	38	38	38	38	38	38
	Activity	-	0	0	0	0	0	0	0	0	0	0	0
	Hauling	-	6	6	6	6	6	6	6	6	6	6	6
	Total	-	44	44	44	44	44	44	44	44	44	44	44
All Areas	Equipment	729	738	767	806	806	768	802	823	823	842	841	800
TOTALS	Activity	1	1	1	0	0	0	0	1	1	1	1	1
	Hauling	180	190	194	105	105	97	93	155	155	227	256	254
	Total	909	928	962	911	911	865	896	978	978	1,070	1,097	1,054
YEARLY TOTALS		11562.351											

CO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	104	104	104	104	104	104	104	104	104	104	-	-
	Activity	0	0	0	0	0	0	0	0	0	0	-	-
	Hauling	9	9	9	9	9	9	9	9	9	9	-	-
	Total	113	113	113	113	113	113	113	113	113	113	-	-
LBB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	60	60	60	60	158	158	83	83	83	83	83	62
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	74	74	74	74	15	15	10	10	10	10	10	2
	Total	134	134	134	134	174	174	93	93	93	93	93	64
LBSM	Equipment	187	187	274	239	239	183	73	-	-	-	-	-
	Activity	0	0	0	0	0	0	0	-	-	-	-	-
	Hauling	80	80	22	17	17	9	4	-	-	-	-	-
	Total	267	267	296	256	256	192	76	-	-	-	-	-
HB1	Equipment	412	412	412	375	375	375	150	150	129	129	129	129
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	84	84	84	47	47	47	12	12	8	8	8	8
	Total	496	496	496	422	422	422	162	162	138	138	138	138
HB2	Equipment	38	20	20	20	20	20	20	20	20	20	20	20
	Activity	0	0	0	0	0	0	0	0	0	0	0	0
	Hauling	6	3	3	3	3	3	3	3	3	3	3	3
	Total	44	23	23	23	23	23	23	23	23	23	23	23
All Areas	Equipment	800	782	870	798	897	840	429	357	336	336	232	212
TOTALS	Activity	1	1	1	1	0	0	0	0	0	0	0	0
	Hauling	254	250	192	150	91	84	38	34	30	30	21	13
	Total	1,054	1,033	1,062	949	988	924	467	391	366	366	253	225
YEARLY TOTALS		8078.648											

CO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
LBB	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HH	Equipment	62	-	-	-	-	-	-	-	-	-	-	-
	Activity	0	-	-	-	-	-	-	-	-	-	-	-
	Hauling	2	-	-	-	-	-	-	-	-	-	-	-
	Total	64	-	-	-	-	-	-	-	-	-	-	-
LBSM	Equipment	-	-	-	-	-	-	-	-	-	-	-	-
	Activity	-	-	-	-	-	-	-	-	-	-	-	-
	Hauling	-	-	-	-	-	-	-	-	-	-	-	-
	Total	-	-	-	-	-	-	-	-	-	-	-	-
HB1	Equipment	175	156	143	109	-	-	-	-	-	-	-	-
	Activity	0	0	0	0	-	-	-	-	-	-	-	-
	Hauling	18	86	14	5	-	-	-	-	-	-	-	-
	Total	193	243	157	114	-	-	-	-	-	-	-	-
HB2	Equipment	20	20	47	27	27	-	-	-	-	-	-	-
	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	3	3	6	3	3	-	-	-	-	-	-	-
	Total	23	23	53	30	30	-	-	-	-	-	-	-
All Areas	Equipment	257	177	190	136	27	-	-	-	-	-	-	-
TOTALS	Activity	0	0	0	0	0	-	-	-	-	-	-	-
	Hauling	23	89	20	8	3	-	-	-	-	-	-	-
	Total	280	266	210	145	30	-	-	-	-	-	-	-
YEARLY TOTALS		930.197											

SO_2 TOTALS

Phase	Source	2041											
		1/1/2041	2/1/2041	3/1/2041	4/1/2041	5/1/2041	6/1/2041	7/1/2041	8/1/2041	9/1/2041	10/1/2041	11/1/2041	12/1/2041
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002
HH	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0005	0.0005	0.0005	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0006	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0005	0.0005	0.0005	0.0005	0.0008	0.0003	0.0003	0.0003
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0000	0.0000	0.0003	0.0003	0.0007	0.0006	0.0006	0.0008	0.0011	0.0008	0.0008	0.0008
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0002	0.0002	0.0004	0.0002	0.0002	0.0003	0.0003	0.0001	0.0001	0.0001
	Total	0.000	0.000	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
YEARLY TOTALS		0.009											

SO_2 TOTALS

Phase	Source	2042											
		1/1/2042	2/1/2042	3/1/2042	4/1/2042	5/1/2042	6/1/2042	7/1/2042	8/1/2042	9/1/2042	10/1/2042	11/1/2042	12/1/2042
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0002	0.0003	0.0003	0.0003	0.0016	0.0016	0.0016	0.0018	0.0005	0.0005	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0014	0.0014
	Total	0.0002	0.0003	0.0003	0.0003	0.0018	0.0018	0.0018	0.0021	0.0006	0.0006	0.0020	0.0020
HH	Equipment	0.0003	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0015	0.0020	0.0005	0.0005	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0000	0.0000	0.0023
	Total	0.0003	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0022	0.0027	0.0005	0.0005	0.0036
LBSM	Equipment	0.0013	0.0013	0.0015	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0008	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0001	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006
	Total	0.0015	0.0015	0.0018	0.0007	0.0012	0.0012	0.0012	0.0012	0.0012	0.0014	0.0012	0.0012
HB1	Equipment	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0002	0.0002	0.0002	0.0005	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0002	0.0002
	Total	0.0000	0.0000	0.0000	0.0000	0.0002	0.0002	0.0002	0.0002	0.0002	0.0007	0.0009	0.0009
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0017	0.0034	0.0037	0.0027	0.0042	0.0042	0.0043	0.0042	0.0033	0.0023	0.0024	0.0032
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0009	0.0010	0.0008	0.0015	0.0015	0.0015	0.0015	0.0014	0.0009	0.0022	0.0044
	Total	0.002	0.004	0.005	0.004	0.006	0.006	0.006	0.006	0.005	0.003	0.005	0.008
YEARLY TOTALS		0.058											

SO_2 TOTALS

Phase	Source	2043											
		1/1/2043	2/1/2043	3/1/2043	4/1/2043	5/1/2043	6/1/2043	7/1/2043	8/1/2043	9/1/2043	10/1/2043	11/1/2043	12/1/2043
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0020	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0036	0.0036	0.0036	0.0036	0.0036	0.0036	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0006	0.0006	0.0006	0.0006	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0012	0.0012	0.0012	0.0012	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0032	0.0032	0.0032	0.0032	0.0032	0.0026	0.0008	0.0002	0.0002	0.0002	0.0002	0.0002
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0044	0.0044	0.0044	0.0044	0.0044	0.0038	0.0015	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.008	0.008	0.008	0.008	0.008	0.006	0.002	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.048											

SO_2 TOTALS

Phase	Source	2044											
		1/1/2044	2/1/2044	3/1/2044	4/1/2044	5/1/2044	6/1/2044	7/1/2044	8/1/2044	9/1/2044	10/1/2044	11/1/2044	12/1/2044
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0007
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0013
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001
LBSM	Equipment	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0017	0.0000
	Total	0.0001	0.0001	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0027	0.0000
HB1	Equipment	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0015	0.0020	0.0015	0.0022
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0007	0.0005	0.0007
	Total	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0020	0.0027	0.0021	0.0030
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0003	0.0003	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0025	0.0030	0.0031	0.0029
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0018	0.0017	0.0017	0.0017	0.0017	0.0017	0.0022	0.0024	0.0029	0.0014
	Total	0.000	0.000	0.003	0.003	0.003	0.003	0.003	0.003	0.005	0.005	0.006	0.004
YEARLY TOTALS		0.039											

SO_2 TOTALS

Phase	Source	2045											
		1/1/2045	2/1/2045	3/1/2045	4/1/2045	5/1/2045	6/1/2045	7/1/2045	8/1/2045	9/1/2045	10/1/2045	11/1/2045	12/1/2045
MSF	Equipment	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0006	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001
	Total	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0010	0.0010
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
HH	Equipment	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0022	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0011	0.0001	0.0001
	Total	0.0000	0.0004	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0023	0.0033	0.0013	0.0013
HB1	Equipment	0.0046	0.0046	0.0046	0.0046	0.0046	0.0047	0.0047	0.0047	0.0049	0.0042	0.0042	0.0042
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0013	0.0009	0.0009	0.0007
	Total	0.0058	0.0058	0.0058	0.0058	0.0058	0.0059	0.0059	0.0059	0.0062	0.0051	0.0051	0.0049
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0053	0.0055	0.0063	0.0063	0.0063	0.0065	0.0067	0.0067	0.0069	0.0073	0.0067	0.0066
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0019	0.0019	0.0030	0.0030	0.0030	0.0030	0.0031	0.0031	0.0032	0.0028	0.0012	0.0010
	Total	0.007	0.007	0.009	0.009	0.009	0.009	0.010	0.010	0.010	0.010	0.008	0.008
YEARLY TOTALS		0.107											

SO_2 TOTALS

Phase	Source	2046											
		1/1/2046	2/1/2046	3/1/2046	4/1/2046	5/1/2046	6/1/2046	7/1/2046	8/1/2046	9/1/2046	10/1/2046	11/1/2046	12/1/2046
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
LBB	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0007	0.0007	0.0007	0.0007
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0009	0.0009	0.0009	0.0009
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0016	0.0016	0.0016	0.0016
HH	Equipment	0.0000	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0000	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004
LBSM	Equipment	0.0012	0.0012	0.0012	0.0012	0.0015	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Total	0.0013	0.0013	0.0013	0.0013	0.0017	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014
HB1	Equipment	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003	0.0003	0.0003	0.0003
	Total	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0028	0.0027	0.0027	0.0027	0.0027
HB2	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0048	0.0048	0.0051	0.0051	0.0054	0.0052	0.0052	0.0052	0.0056	0.0056	0.0056	0.0056
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0008	0.0008	0.0009	0.0009	0.0009	0.0009	0.0016	0.0016	0.0016	0.0016
	Total	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007	0.007
YEARLY TOTALS		0.076											

SO_2 TOTALS

Phase	Source	2047											
		1/1/2047	2/1/2047	3/1/2047	4/1/2047	5/1/2047	6/1/2047	7/1/2047	8/1/2047	9/1/2047	10/1/2047	11/1/2047	12/1/2047
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
LBB	Equipment	0.0007	0.0007	0.0010	0.0012	0.0012	0.0009	0.0009	0.0009	0.0009	0.0004	0.0004	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0009	0.0009	0.0010	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000	0.0000
	Total	0.0016	0.0016	0.0019	0.0013	0.0013	0.0010	0.0010	0.0010	0.0010	0.0004	0.0004	0.0000
HH	Equipment	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0005	0.0005	0.0005	0.0005
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007	0.0007	0.0007
	Total	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0012	0.0012	0.0012	0.0012	0.0012
LBSM	Equipment	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0016	0.0016	0.0016	0.0017	0.0017	0.0017
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001	0.0001	0.0007	0.0007	0.0007
	Total	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0017	0.0017	0.0017	0.0025	0.0025	0.0025
HB1	Equipment	0.0024	0.0022	0.0022	0.0024	0.0024	0.0023	0.0024	0.0024	0.0024	0.0029	0.0028	0.0028
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0003	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0005	0.0008	0.0008
	Total	0.0027	0.0026	0.0026	0.0028	0.0028	0.0027	0.0028	0.0028	0.0028	0.0034	0.0036	0.0036
HB2	Equipment	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0000	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003
All Areas	Equipment	0.0056	0.0056	0.0059	0.0063	0.0063	0.0059	0.0063	0.0066	0.0066	0.0067	0.0066	0.0062
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0016	0.0017	0.0018	0.0010	0.0010	0.0009	0.0009	0.0014	0.0014	0.0021	0.0023	0.0023
	Total	0.007	0.007	0.008	0.007	0.007	0.007	0.007	0.008	0.008	0.009	0.009	0.009
YEARLY TOTALS		0.093											

SO_2 TOTALS

Phase	Source	2048											
		1/1/2048	2/1/2048	3/1/2048	4/1/2048	5/1/2048	6/1/2048	7/1/2048	8/1/2048	9/1/2048	10/1/2048	11/1/2048	12/1/2048
MSF	Equipment	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000	0.0000
	Total	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0005	0.0005	0.0005	0.0005	0.0015	0.0015	0.0008	0.0008	0.0008	0.0008	0.0008	0.0006
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0007	0.0007	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0000
	Total	0.0012	0.0012	0.0012	0.0012	0.0016	0.0016	0.0009	0.0009	0.0009	0.0009	0.0009	0.0006
LBSM	Equipment	0.0017	0.0017	0.0026	0.0022	0.0022	0.0017	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0007	0.0007	0.0002	0.0002	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0025	0.0025	0.0028	0.0024	0.0024	0.0018	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0028	0.0028	0.0028	0.0024	0.0024	0.0024	0.0013	0.0013	0.0012	0.0012	0.0012	0.0012
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0008	0.0008	0.0008	0.0004	0.0004	0.0004	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
	Total	0.0036	0.0036	0.0036	0.0029	0.0029	0.0029	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013
HB2	Equipment	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
All Areas	Equipment	0.0062	0.0062	0.0070	0.0063	0.0073	0.0068	0.0039	0.0032	0.0031	0.0031	0.0022	0.0020
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0023	0.0023	0.0018	0.0014	0.0008	0.0008	0.0004	0.0003	0.0003	0.0003	0.0002	0.0001
	Total	0.009	0.008	0.009	0.008	0.008	0.008	0.004	0.004	0.003	0.003	0.002	0.002
YEARLY TOTALS		0.068											

SO_2 TOTALS

Phase	Source	2049											
		1/1/2049	2/1/2049	3/1/2049	4/1/2049	5/1/2049	6/1/2049	7/1/2049	8/1/2049	9/1/2049	10/1/2049	11/1/2049	12/1/2049
MSF	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBB	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HH	Equipment	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
LBSM	Equipment	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB1	Equipment	0.0016	0.0014	0.0013	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0017	0.0022	0.0014	0.0011	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
HB2	Equipment	0.0002	0.0002	0.0004	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.0002	0.0002	0.0005	0.0003	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
All Areas	Equipment	0.0024	0.0016	0.0017	0.0013	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
TOTALS	Activity	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Hauling	0.0002	0.0008	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	Total	0.003	0.002	0.002	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
YEARLY TOTALS		0.009											

WORKER COMMUTE EMISSIONS

On Road from/to Site	Activity	Start Date	End Date	Year	Work Days	Number of Vehicles per day	Average RT Miles	Emission (grams/day)							Emission Burdens (tons/year)						
								TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
WORKER COMMUTES (Source for Number of Vehicles: AQ Input - Workers' Cars 11142023.xlsx)																					
Section 2 HB	MSF	1/14/2041	12/31/2041	2041	252	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2042	12/31/2042	2042	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2043	12/31/2043	2043	261	0	40	0	0	0	0	0	0	0	0.000	0.000	0.000	0	0.000	0.000	0.000
Section 2 HB	MSF	1/1/2044	12/31/2044	2044	261	10	40	2	228	8	89227	1	5	2	0.001	0.066	0.002	26	0.000	0.001	0.001
Section 2 HB	MSF	1/1/2045	12/31/2045	2045	260	45	40	9	1023	35	400594	4	23	9	0.003	0.293	0.010	115	0.001	0.007	0.002
Section 2 HB	MSF	1/1/2046	12/31/2046	2046	261	55	40	11	1246	42	488698	5	28	11	0.003	0.359	0.012	141	0.001	0.008	0.003
Section 2 HB	MSF	1/1/2047	12/31/2047	2047	261	55	40	11	1243	41	487930	5	28	11	0.003	0.357	0.012	140	0.001	0.008	0.003
Section 2 HB	MSF	1/1/2048	12/31/2048	2048	262	45	40	9	1014	33	398695	4	23	9	0.003	0.293	0.010	115	0.001	0.007	0.003
Section 2 HB	MSF	1/1/2049	12/31/2049	2049	261	10	40	2	225	7	88501	1	5	2	0.001	0.065	0.002	25	0.000	0.001	0.001
Section 2 HB	MSF	1/1/2050	10/10/2050	2050	201	10	40	2	225	7	88421	1	5	2	0.000	0.050	0.002	20	0.000	0.001	0.000
Section 2 HB	Alignment Section with HB Option	1/14/2041	12/31/2041	2041	252	45	40	11	1053	38	405561	4	23	9	0.003	0.292	0.011	113	0.001	0.007	0.002
Section 2 HB	Alignment Section with HB Option	1/1/2042	12/31/2042	2042	261	215	40	48	4979	177	1929991	19	112	42	0.014	1.433	0.051	555	0.005	0.032	0.012
Section 2 HB	Alignment Section with HB Option	1/1/2043	12/31/2043	2043	261	110	40	24	2527	88	984176	10	57	21	0.007	0.727	0.025	283	0.003	0.016	0.006
Section 2 HB	Alignment Section with HB Option	1/1/2044	12/31/2044	2044	261	135	40	29	3083	106	1204565	12	70	26	0.008	0.887	0.030	347	0.003	0.020	0.008
Section 2 HB	Alignment Section with HB Option	1/1/2045	12/31/2045	2045	260	420	40	88	9550	323	3738878	37	217	81	0.025	2.737	0.093	1072	0.011	0.062	0.023
Section 2 HB	Alignment Section with HB Option	1/1/2046	12/31/2046	2046	261	295	40	61	6685	224	2621198	26	153	57	0.018	1.923	0.064	754	0.007	0.044	0.016
Section 2 HB	Alignment Section with HB Option	1/1/2047	12/31/2047	2047	261	380	40	78	8585	284	3371156	33	196	73	0.022	2.470	0.082	970	0.010	0.056	0.021
Section 2 HB	Alignment Section with HB Option	1/1/2048	12/31/2048	2048	262	285	40	58	6422	211	2525068	25	147	55	0.017	1.855	0.061	729	0.007	0.043	0.016
Section 2 HB	Alignment Section with HB Option	1/1/2049	12/31/2049	2049	261	70	40	14	1576	52	619510	6	36	14	0.004	0.453	0.015	178	0.002	0.010	0.004
Section 2 HB	Alignment Section with HB Option	1/1/2050	10/10/2050	2050	201	40	40	8	900	30	353683	3	21	8	0.002	0.199	0.007	78	0.001	0.005	0.002

TOTAL

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.3	0.0	113	0.0	0.0	0.0
2042	0.0	1.4	0.1	555	0.0	0.0	0.0
2043	0.0	0.7	0.0	283	0.0	0.0	0.0
2044	0.0	1.0	0.0	372	0.0	0.0	0.0
2045	0.0	3.0	0.1	1186	0.0	0.1	0.0
2046	0.0	2.3	0.1	895	0.0	0.1	0.0
2047	0.0	2.8	0.1	1110	0.0	0.1	0.0
2048	0.0	2.1	0.1	844	0.0	0.0	0.0
2049	0.0	0.5	0.0	204	0.0	0.0	0.0
2050	0.0	0.2	0.0	98	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

MSF

Year	TOG	CO	NOx	CO_2	SO_2	PM_{10}	$PM_{2.5}$
2041	0.0	0.0	0.0	0	0.0	0.0	0.0
2042	0.0	0.0	0.0	0	0.0	0.0	0.0
2043	0.0	0.0	0.0	0	0.0	0.0	0.0
2044	0.0	0.1	0.0	26	0.0	0.0	0.0
2045	0.0	0.3	0.0	115	0.0	0.0	0.0
2046	0.0	0.4	0.0	141	0.0	0.0	0.0
2047	0.0	0.4	0.0	140	0.0	0.0	0.0
2048	0.0	0.3	0.0	115	0.0	0.0	0.0
2049	0.0	0.1	0.0	25	0.0	0.0	0.0
2050	0.0	0.0	0.0	20	0.0	0.0	0.0
2051	0.0	0.0	0.0	0	0.0	0.0	0.0

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition, grading, and site preparation																				
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	10/18/2044	10/16/2045	13	260	0.037	0.004	0.000	0.000	0.001	25.7	0.000
Excavator-75	Fleet Average	54	Diesel	2	0.38	0.50	8	4	8	10/18/2044	10/16/2045	13	260	0.034	0.028	0.000	0.000	0.003	5.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	8	4	8	10/18/2044	10/16/2045	13	260	0.043	0.009	0.001	0.001	0.006	20.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	10/18/2044	10/16/2045	13	260	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.25	8	2	4	10/18/2044	10/16/2045	13	260	0.035	0.003	0.000	0.000	0.002	5.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	10/16/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	10/16/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	10/16/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/18/2044	10/16/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	10/16/2045	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.170*	*0.045*	*0.001*	*0.001*	*0.012*	*63*	*0.001*
Trackwork and Systems																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.10	8	1	2	10/17/2045	10/12/2048	37	780	0.008	0.001	0.000	0.000	0.000	5.6	0.000
Excavator-75	Fleet Average	54	Diesel	3	0.38	0.50	8	4	12	10/17/2045	10/12/2048	37	780	0.053	0.045	0.000	0.000	0.005	8.8	0.000
Telehandler-175	Tier 4	142	Diesel	3	0.46	0.25	8	2	6	10/17/2045	10/12/2048	37	780	0.034	0.002	0.000	0.000	0.000	10.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	3	0.42	1.00	8	8	24	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Welding Plant-600	Tier 4	380	Diesel	3	0.34	0.70	8	6	17	10/17/2045	10/12/2048	37	780	0.131	0.013	0.001	0.001	0.003	75.4	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/17/2045	10/12/2048	37	780	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.226*	*0.061*	*0.001*	*0.001*	*0.008*	*104*	*0.001*

Dirt Handling, Hauling and Truck, Worker Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-44	Oct-45	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Aggregate		Oct-44	Oct-45	13	260			0.0418	0.0316			
Truck Loading Dust	Tons of material being loaded per day	552	Aggregate		Oct-44	Oct-45	13	260			0.0066	0.0010			
Truck Loading on site - idling	Number of Vehicles	46	12	3.83	Oct-44	Oct-45	13	260	0.0003	0.0002	0.0000	0.0000	0.0000	0.0341	0.0000
Trucks Traveling on site	Number of Vehicles	46	Paved	4.60	Oct-44	Oct-45	13	260	0.0002	0.0008	0.0000	0.0000	0.0000	0.2134	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0484*	*0.0326*	*0.0001*	*0.2475*	*0.0000*
Trackwork and Systems															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-45	Oct-48	37	780			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	12	Aggregate		Oct-45	Oct-48	37	780			0.0330	0.0250			
Truck Loading Dust	Tons of material being loaded per day	24	Aggregate		Oct-45	Oct-48	37	780			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	2	12	0.17	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000
Trucks Traveling on site	Number of Vehicles	2	Paved	0.20	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0192	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0333*	*0.0251*	*0.0000*	*0.0310*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition, grading, and site preparation														
				Oct-44	Oct-45	13	260							
				Oct-44	Oct-45	13	260							
				Oct-44	Oct-45	13	260							
				Oct-44	Oct-45	13	260							
Trucks Traveling on site	Number of Vehicles	46	66	Oct-44	Oct-45	13	260	0.0285	0.1049	0.0250	0.0037	0.0030	74.5940	0.0007
				Oct-44	Oct-45	13	260							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Oct-45	13	260							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-44	Oct-45	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Oct-45	13	260							
Totals								*0.0285*	*0.1049*	*0.0250*	*0.0037*	*0.0030*	*74.5940*	*0.0007*
Trackwork and Systems														
				Oct-45	Oct-48	37	780							
				Oct-45	Oct-48	37	780							
				Oct-45	Oct-48	37	780							
				Oct-45	Oct-48	37	780							
Trucks Traveling on site	Number of Vehicles	2	66	Oct-45	Oct-48	37	780	0.0013	0.0048	0.0011	0.0002	0.0001	3.3966	0.0000
				Oct-45	Oct-48	37	780							
Deliveries Traveling on site	Number of Vehicles	7	66	Oct-45	Oct-48	37	780	0.0008	0.0017	0.0016	0.0002	0.0001	5.7684	0.0001
				Oct-45	Oct-48	37	780							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-45	Oct-48	37	780	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-45	Oct-48	37	780							
Totals								*0.0020*	*0.0065*	*0.0028*	*0.0003*	*0.0002*	*9.1650*	*0.0001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	7/23/2041	1/24/2042	7	134	0.0064	0.0047	0.0000	0.0000	0.0002	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	7/23/2041	1/24/2042	7	134	0.0306	0.0022	0.0001	0.0001	0.0004	9.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	7/23/2041	1/24/2042	7	134	0.0340	0.0028	0.0002	0.0002	0.0018	5.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/23/2041	1/24/2042	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*3*										*0.0710*	*0.0097*	*0.0003*	*0.0003*	*0.0024*	*17*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	1/10/2042	10/13/2042	10	197	0.0180	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	1/10/2042	10/13/2042	10	197	0.0166	0.0139	0.0001	0.0001	0.0014	2.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	1/10/2042	10/13/2042	10	197	0.0213	0.0042	0.0003	0.0003	0.0032	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/10/2042	10/13/2042	10	197	0.0105	0.0007	0.0000	0.0000	0.0001	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	1/10/2042	10/13/2042	10	197	0.0175	0.0015	0.0001	0.0001	0.0009	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/10/2042	10/13/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/10/2042	10/13/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/10/2042	10/13/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/10/2042	10/13/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/10/2042	10/13/2042	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0839*	*0.0221*	*0.0006*	*0.0005*	*0.0060*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	4/29/2042	8/27/2042	5	87	0.0247	0.0025	0.0001	0.0001	0.0005	17.4	0.000
Bore/Drill-600	Tier 4	440	Diesel	3	0.50	0.75	8	6	18	4/29/2042	8/27/2042	5	87	0.1975	0.0197	0.0008	0.0008	0.0038	77.5	0.001
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	4/29/2042	8/27/2042	5	87	0.0245	0.0017	0.0001	0.0001	0.0003	10.1	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	4/29/2042	8/27/2042	5	87	0.0350	0.0088	0.0005	0.0005	0.0046	17.7	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	4/29/2042	8/27/2042	5	87	0.0234	0.0025	0.0003	0.0002	0.0010	3.8	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	4/29/2042	8/27/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	4/29/2042	8/27/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	4/29/2042	8/27/2042	5	87	0.0203	0.0021	0.0001	0.0001	0.0011	3.3	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	4/29/2042	8/27/2042	5	87	0.0126	0.0093	0.0000	0.0000	0.0003	6.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/29/2042	8/27/2042	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*16*										*0.3380*	*0.0467*	*0.0019*	*0.0018*	*0.0117*	*137*	*0.001*
Decking 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	7/28/2042	10/20/2042	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	7/28/2042	10/20/2042	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	7/28/2042	10/20/2042	4	61	0.0025	0.0020	0.0000	0.0000	0.0001	0.4	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	7/28/2042	10/20/2042	4	61	0.0187	0.0019	0.0001	0.0001	0.0004	10.7	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	7/28/2042	10/20/2042	4	61	0.0062	0.0005	0.0001	0.0001	0.0003	1.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/28/2042	10/20/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/28/2042	10/20/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/28/2042	10/20/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/28/2042	10/20/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/28/2042	10/20/2042	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*5*										*0.0442*	*0.0060*	*0.0002*	*0.0002*	*0.0011*	*24*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/20/2042	7/20/2043	10	196	0.0093	0.0009	0.0000	0.0000	0.0002	6.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/20/2042	7/20/2043	10	196	0.0276	0.0440	0.0010	0.0008	0.0012	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/20/2042	7/20/2043	10	196	0.0179	0.0018	0.0001	0.0001	0.0003	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/20/2042	7/20/2043	10	196	0.0179	0.0201	0.0006	0.0006	0.0007	6.3	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/20/2042	7/20/2043	10	196	0.0191	0.0245	0.0010	0.0009	0.0009	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/20/2042	7/20/2043	10	196	0.0186	0.0035	0.0002	0.0002	0.0025	8.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/20/2042	7/20/2043	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	9.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/20/2042	7/20/2043	10	196	0.0071	0.0053	0.0000	0.0000	0.0002	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/20/2042	7/20/2043	10	196	0.0104	0.0007	0.0000	0.0000	0.0001	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/20/2042	7/20/2043	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*10*										*0.1279*	*0.1008*	*0.0029*	*0.0027*	*0.0062*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place Station Box Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/6/2045	8/27/2046	15	320	0.0101	0.0010	0.0000	0.0000	0.0002	7.1	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	6/6/2045	8/27/2046	15	320	0.0161	0.0011	0.0000	0.0000	0.0002	8.4	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	6/6/2045	8/27/2046	15	320	0.0166	0.0017	0.0001	0.0001	0.0003	9.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	10.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/6/2045	8/27/2046	15	320	0.0114	0.0008	0.0000	0.0000	0.0002	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/6/2045	8/27/2046	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*7*										*0.0543*	*0.0046*	*0.0002*	*0.0002*	*0.0009*	*40*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/28/2046	9/16/2047	14	275	0.0149	0.0010	0.0000	0.0000	0.0002	7.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	8/28/2046	9/16/2047	14	275	0.0391	0.0082	0.0005	0.0005	0.0063	17.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	8/28/2046	9/16/2047	14	275	0.0391	0.0082	0.0005	0.0005	0.0063	17.7	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	8/28/2046	9/16/2047	14	275	0.0419	0.0029	0.0001	0.0001	0.0006	12.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	9/16/2047	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*13*										*0.1350*	*0.0203*	*0.0012*	*0.0011*	*0.0133*	*56*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	2.8	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	8/28/2046	3/6/2047	8	137	0.0145	0.0015	0.0001	0.0001	0.0003	7.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	8/28/2046	3/6/2047	8	137	0.0219	0.0019	0.0002	0.0002	0.0010	3.7	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	8/28/2046	3/6/2047	8	137	0.0062	0.0046	0.0000	0.0000	0.0002	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/28/2046	3/6/2047	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*4*										*0.0427*	*0.0079*	*0.0003*	*0.0003*	*0.0014*	*18*	*0.000*
Decking Removal - 12 weekends														*Modified to reflect weekend only (multiplied by 36/61)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/20/2047	5/15/2047	4	61	0.0082	0.0008	0.0000	0.0000	0.0002	5.8	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/20/2047	5/15/2047	4	61	0.0085	0.0009	0.0000	0.0000	0.0002	6.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	2/20/2047	5/15/2047	4	61	0.0101	0.0080	0.0000	0.0000	0.0005	1.7	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	2/20/2047	5/15/2047	4	61	0.0172	0.0017	0.0001	0.0001	0.0003	9.9	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	2/20/2047	5/15/2047	4	61	0.0406	0.0034	0.0002	0.0002	0.0023	6.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2047	5/15/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2047	5/15/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2047	5/15/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/20/2047	5/15/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/20/2047	5/15/2047	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0846*	*0.0147*	*0.0004*	*0.0004*	*0.0035*	*30*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	3/6/2047	11/11/2047	9	179	0.0188	0.0019	0.0001	0.0001	0.0004	13.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	3/6/2047	11/11/2047	9	179	0.0169	0.0017	0.0001	0.0001	0.0003	9.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	3/6/2047	11/11/2047	9	179	0.0204	0.0046	0.0003	0.0003	0.0027	9.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	3/6/2047	11/11/2047	9	179	0.0198	0.0041	0.0003	0.0002	0.0032	9.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/6/2047	11/11/2047	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.000
Construction Equipment Total				*8*										*0.0760*	*0.0123*	*0.0007*	*0.0006*	*0.0066*	*41*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-41	Jan-42	7	134			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Jul-41	Jan-42	7	134			0.0100	0.0076			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Jul-41	Jan-42	7	134			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jul-41	Jan-42	7	134	0.0000	0.0001	0.0000	0.0000	0.0000	0.0183	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0105*	*0.0077*	*0.0000*	*0.0212*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Oct-42	10	197			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Oct-42	10	197			0.0221	0.0130			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Oct-42	10	197			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0221*	*0.0130*	*0.0000*	*0.0117*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	Aug-42	5	87			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Apr-42	Aug-42	5	87			0.0195	0.0115			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Apr-42	Aug-42	5	87			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Apr-42	Aug-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0025	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0045	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Apr-42	Aug-42	5	87	0.0000	0.0001	0.0000	0.0000	0.0000	0.0288	0.0000
				0.00	Apr-42	Aug-42	5	87	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0202*	*0.0116*	*0.0000*	*0.0597*	*0.0000*
Decking 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-42	Oct-42	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-42	Oct-42	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jul-42	Oct-42	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-42	Oct-42	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jul-43	10	196			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-42	Jul-43	10	196			0.0439	0.0259			
Truck Loading Dust	Tons of material being loaded per day	1,920	Dirt		Oct-42	Jul-43	10	196			0.0020	0.0003			
Truck Loading on site - idling	Number of Vehicles	96	20	8.00	Oct-42	Jul-43	10	196	0.0005	0.0004	0.0000	0.0000	0.0000	0.0696	0.0000
Trucks Traveling on site	Number of Vehicles	96	Paved	9.60	Oct-42	Jul-43	10	196	0.0005	0.0017	0.0001	0.0000	0.0001	0.4449	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0010*	*0.0021*	*0.0461*	*0.0262*	*0.0001*	*0.5145*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-45	Aug-46	15	320			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-45	Aug-46	15	320			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-45	Aug-46	15	320			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0064	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Jun-45	Aug-46	15	320	0.0000	0.0002	0.0000	0.0000	0.0000	0.0393	0.0000
				0.00	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0456*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Sep-47	14	275			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Sep-47	14	275			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Sep-47	14	275			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0248	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0255*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Mar-47	8	137			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-46	Mar-47	8	137			0.0192	0.0113			
Truck Loading Dust	Tons of material being loaded per day	828	Dirt		Aug-46	Mar-47	8	137			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	69	12	5.75	Aug-46	Mar-47	8	137	0.0003	0.0002	0.0000	0.0000	0.0000	0.0442	0.0000
Trucks Traveling on site	Number of Vehicles	69	Paved	6.90	Aug-46	Mar-47	8	137	0.0003	0.0011	0.0001	0.0000	0.0000	0.2702	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0006*	*0.0013*	*0.0200*	*0.0114*	*0.0001*	*0.3143*	*0.0000*
Decking Removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-47	May-47	4	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-47	May-47	4	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-47	May-47	4	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0144	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-47	May-47	4	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0148*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	Nov-47	9	179			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Mar-47	Nov-47	9	179			0.0111	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-47	Nov-47	9	179			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0074	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0111*	*0.0066*	*0.0000*	*0.0076*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
				Jul-41	Jan-42	7	134							
Trucks Traveling on site	Number of Vehicles	4	66	Jul-41	Jan-42	7	134	0.0026	0.0090	0.0021	0.0003	0.0003	6.3790	0.0001
				Jul-41	Jan-42	7	134							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	134							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-41	Jan-42	7	134	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-41	Jan-42	7	134							
Totals								*0.0026*	*0.0090*	*0.0021*	*0.0003*	*0.0003*	*6.3790*	*0.0001*
Utility Relocation & Site Preparation														
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
				Jan-42	Oct-42	10	197							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Oct-42	10	197							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-42	Oct-42	10	197	0.0005	0.0011	0.0009	0.0001	0.0001	3.4135	0.0000
				Jan-42	Oct-42	10	197							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Oct-42	10	197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Oct-42	10	197							
Totals								*0.0005*	*0.0011*	*0.0009*	*0.0001*	*0.0001*	*3.4135*	*0.0000*
Shoring														
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
				Apr-42	Aug-42	5	87							
Trucks Traveling on site	Number of Vehicles	5	66	Apr-42	Aug-42	5	87	0.0029	0.0101	0.0024	0.0004	0.0003	7.1718	0.0001
				Apr-42	Aug-42	5	87							
Deliveries Traveling on site	Number of Vehicles	1	66	Apr-42	Aug-42	5	87	0.0001	0.0002	0.0002	0.0000	0.0000	0.7537	0.0000
				Apr-42	Aug-42	5	87							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Apr-42	Aug-42	5	87	0.0040	0.0141	0.0033	0.0005	0.0004	10.0405	0.0001
				Apr-42	Aug-42	5	87							
Totals								*0.0070*	*0.0245*	*0.0059*	*0.0009*	*0.0007*	*17.9660*	*0.0002*
Decking 12 weekends							*Prorated*							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
				Jul-42	Oct-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Oct-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Oct-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Jul-42	Oct-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Jul-42	Oct-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-42	Oct-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-42	Oct-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*
Excavation														
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
				Oct-42	Jul-43	10	196							
Trucks Traveling on site	Number of Vehicles	96	66	Oct-42	Jul-43	10	196	0.0621	0.2181	0.0513	0.0076	0.0066	155.1082	0.0014
				Oct-42	Jul-43	10	196							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jul-43	10	196							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-42	Jul-43	10	196	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jul-43	10	196							
Totals								*0.0621*	*0.2181*	*0.0513*	*0.0076*	*0.0066*	*155.1082*	*0.0014*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place Station Box Structure														
				Jun-45	Aug-46	15	320							
				Jun-45	Aug-46	15	320							
				Jun-45	Aug-46	15	320							
				Jun-45	Aug-46	15	320							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Aug-46	15	320							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-45	Aug-46	15	320	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-45	Aug-46	15	320							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Jun-45	Aug-46	15	320	0.0051	0.0193	0.0046	0.0007	0.0005	13.7488	0.0001
				Jun-45	Aug-46	15	320							
Totals								*0.0051*	*0.0193*	*0.0046*	*0.0007*	*0.0005*	*13.7488*	*0.0001*
MEP and Architectural finish work														
				Aug-46	Sep-47	14	275							
				Aug-46	Sep-47	14	275							
				Aug-46	Sep-47	14	275							
				Aug-46	Sep-47	14	275							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Sep-47	14	275							
Deliveries Traveling on site	Number of Vehicles	10	66	Aug-46	Sep-47	14	275	0.0010	0.0022	0.0022	0.0002	0.0001	7.4657	0.0001
				Aug-46	Sep-47	14	275							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Sep-47	14	275	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Sep-47	14	275							
Totals								*0.0010*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4657*	*0.0001*
Backfill														
				Aug-46	Mar-47	8	137							
				Aug-46	Mar-47	8	137							
				Aug-46	Mar-47	8	137							
				Aug-46	Mar-47	8	137							
Trucks Traveling on site	Number of Vehicles	69	66	Aug-46	Mar-47	8	137	0.0345	0.1333	0.0321	0.0048	0.0036	94.6795	0.0009
				Aug-46	Mar-47	8	137							
Deliveries Traveling on site	Number of Vehicles	0	66	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Mar-47	8	137							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Mar-47	8	137	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Mar-47	8	137							
Totals								*0.0345*	*0.1333*	*0.0321*	*0.0048*	*0.0036*	*94.6795*	*0.0009*
Decking Removal - 12 weekends							*Prorated*							
				Feb-47	May-47	4	36							
				Feb-47	May-47	4	36							
				Feb-47	May-47	4	36							
				Feb-47	May-47	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	May-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	May-47	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Feb-47	May-47	4	36	0.0006	0.0013	0.0013	0.0001	0.0001	4.3367	0.0000
				Feb-47	May-47	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-47	May-47	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-47	May-47	4	36							
Totals								*0.0006*	*0.0013*	*0.0013*	*0.0001*	*0.0001*	*4.3367*	*0.0000*
Surface Restoration														
				Mar-47	Nov-47	9	179							
				Mar-47	Nov-47	9	179							
				Mar-47	Nov-47	9	179							
				Mar-47	Nov-47	9	179							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Nov-47	9	179							
Deliveries Traveling on site	Number of Vehicles	3	66	Mar-47	Nov-47	9	179	0.0003	0.0006	0.0007	0.0001	0.0000	2.2116	0.0000
				Mar-47	Nov-47	9	179							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	Nov-47	9	179	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	Nov-47	9	179							
Totals								*0.0003*	*0.0006*	*0.0007*	*0.0001*	*0.0000*	*2.2116*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.013	0.010	0.000	0.000	0.000	5.4	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	2/12/2041	5/30/2041	4	78	0.062	0.004	0.000	0.000	0.001	19.0	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	2/12/2041	5/30/2041	4	78	0.069	0.006	0.000	0.000	0.004	11.1	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/12/2041	5/30/2041	4	78	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.145*	*0.020*	*0.001*	*0.001*	*0.005*	*36*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.019	0.002	0.000	0.000	0.000	13.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/15/2041	7/14/2042	15	304	0.022	0.004	0.000	0.000	0.003	10.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.011	0.001	0.000	0.000	0.000	3.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/15/2041	7/14/2042	15	304	0.018	0.002	0.000	0.000	0.001	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2041	7/14/2042	15	304	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.086*	*0.023*	*0.001*	*0.001*	*0.006*	*32*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.75	8	6	12	1/28/2042	9/15/2042	9	165	0.052	0.005	0.000	0.000	0.001	36.6	0.000
Crane-600	Tier 4	440	Diesel	3	0.29	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.121	0.012	0.000	0.000	0.002	83.3	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	3	0.40	0.75	8	6	18	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	5.8	0.000
Drilling Polymer Plant/Pump Mixer-10	Fleet Average	100	Electric	1	0.43	0.75	8	6	6	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Machine Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.026	0.002	0.000	0.000	0.000	10.7	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.037	0.009	0.001	0.000	0.005	18.6	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.025	0.003	0.000	0.000	0.001	4.0	0.000
Construction Equipment Total				*18*										*0.260*	*0.031*	*0.002*	*0.001*	*0.010*	*164*	*0.001*
Shoring Cont.																				
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	1/28/2042	9/15/2042	9	165	0.021	0.002	0.000	0.000	0.001	3.5	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	1/28/2042	9/15/2042	9	165	0.013	0.010	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/28/2042	9/15/2042	9	165	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.035*	*0.012*	*0.000*	*0.000*	*0.001*	*11*	*0.000*
Decking - 12 Weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/60)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.016	0.002	0.000	0.000	0.000	11.5	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.017	0.002	0.000	0.000	0.000	12.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	8/16/2042	11/8/2042	4	60	0.005	0.004	0.000	0.000	0.000	0.9	0.000
Welding Plant-600	Tier 4	380	Diesel	2	0.34	0.70	8	6	11	8/16/2042	11/8/2042	4	60	0.037	0.004	0.000	0.000	0.001	21.5	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	2	0.44	0.25	8	2	4	8/16/2042	11/8/2042	4	60	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/16/2042	11/8/2042	4	60	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.088*	*0.012*	*0.000*	*0.000*	*0.002*	*48*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.020	0.002	0.000	0.000	0.000	13.8	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	2	0.37	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.058	0.093	0.002	0.002	0.002	31.2	0.000
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.004	0.000	0.000	0.001	26.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	2	0.40	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.038	0.043	0.001	0.001	0.002	13.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	2	0.34	0.75	8	6	12	11/8/2042	6/29/2043	8	166	0.040	0.052	0.002	0.002	0.002	16.7	0.000
Boom Truck-300	Fleet Average	200	Diesel	2	0.34	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.039	0.007	0.000	0.000	0.005	18.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	4	0.38	1.00	16	16	64	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	19.4	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	11/8/2042	6/29/2043	8	166	0.015	0.011	0.000	0.000	0.000	7.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	11/8/2042	6/29/2043	8	166	0.022	0.002	0.000	0.000	0.000	6.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2042	6/29/2043	8	166	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*20*										*0.271*	*0.213*	*0.006*	*0.006*	*0.013*	*154*	*0.001*
Disassembly of TBM and Relocate														Row 84 Modified to Reflect Two Weekends Only (6/40)						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	11/8/2044	1/2/2045	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	11/8/2044	1/2/2045	3	40	0.007	0.000	0.000	0.000	0.000	2.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	8	2	2	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	24	24	24	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	2.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/8/2044	1/2/2045	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.020*	*0.002*	*0.000*	*0.000*	*0.000*	*14*	*0.000*
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	2/27/2046	7/29/2047	18	370	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	2/27/2046	7/29/2047	18	370	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	2/27/2046	7/29/2047	18	370	0.016	0.002	0.000	0.000	0.000	9.2	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	9.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	2/27/2046	7/29/2047	18	370	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/27/2046	7/29/2047	18	370	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.052*	*0.004*	*0.000*	*0.000*	*0.001*	*39*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	7/30/2047	11/30/2048	17	350	0.016	0.001	0.000	0.000	0.000	8.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/30/2047	11/30/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	7/30/2047	11/30/2048	17	350	0.010	0.002	0.000	0.000	0.002	4.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	7/30/2047	11/30/2048	17	350	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	11/30/2048	17	350	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.047*	*0.006*	*0.000*	*0.000*	*0.004*	*21*	*0.000*
Backfill																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	6.3	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	7/30/2047	4/20/2048	10	190	0.032	0.003	0.000	0.000	0.001	17.3	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	7/30/2047	4/20/2048	10	190	0.049	0.004	0.000	0.000	0.002	8.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	7/30/2047	4/20/2048	10	190	0.014	0.010	0.000	0.000	0.000	7.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	7/30/2047	4/20/2048	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.095*	*0.018*	*0.001*	*0.001*	*0.003*	*39*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Decking removal - 12 weekends														*MODIFIED TO REFLECT WEEKEND ONLY WORK (36/61)*						
Crane-300	Tier 4	275	Diesel	2	0.29	0.50	8	4	8	4/6/2048	6/29/2048	3	61	0.022	0.002	0.000	0.000	0.000	15.4	0.000
Crane-300	Tier 4	285	Diesel	2	0.29	0.50	8	4	8	4/6/2048	6/29/2048	3	61	0.023	0.002	0.000	0.000	0.000	16.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	2	0.36	0.50	8	4	8	4/6/2048	6/29/2048	3	61	0.007	0.005	0.000	0.000	0.000	1.1	0.000
Welding Plant-600	Tier 4	489	Diesel	2	0.34	0.50	8	4	8	4/6/2048	6/29/2048	3	61	0.046	0.005	0.000	0.000	0.001	26.3	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	2	0.38	1.00	8	8	16	4/6/2048	6/29/2048	3	61	0.108	0.009	0.001	0.001	0.006	17.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/6/2048	6/29/2048	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/6/2048	6/29/2048	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/6/2048	6/29/2048	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/6/2048	6/29/2048	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/6/2048	6/29/2048	3	61	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.205*	*0.023*	*0.001*	*0.001*	*0.008*	*76*	*0.001*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	3	0.29	0.25	8	2	6	4/20/2048	1/25/2049	10	201	0.029	0.003	0.000	0.000	0.001	20.0	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	3	0.37	0.25	8	2	6	4/20/2048	1/25/2049	10	201	0.026	0.003	0.000	0.000	0.000	13.7	0.000
Roller -300	Fleet Average	210	Diesel	3	0.31	0.25	8	2	6	4/20/2048	1/25/2049	10	201	0.031	0.007	0.000	0.000	0.004	14.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	3	0.38	0.25	8	2	6	4/20/2048	1/25/2049	10	201	0.030	0.006	0.000	0.000	0.005	13.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2048	1/25/2049	10	201	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.115*	*0.019*	*0.001*	*0.001*	*0.010*	*62*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-41	May-41	4	78			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Feb-41	May-41	4	78			0.0102	0.0077			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Feb-41	May-41	4	78			0.0018	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Feb-41	May-41	4	78	0.0001	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Feb-41	May-41	4	78	0.0001	0.0002	0.0000	0.0000	0.0000	0.0607	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0120*	*0.0080*	*0.0000*	*0.0700*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-41	Jul-42	15	304			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-41	Jul-42	15	304			0.0227	0.0134			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-41	Jul-42	15	304			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0122	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0227*	*0.0134*	*0.0000*	*0.0125*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-42	Sep-42	9	165			0.0206	0.0121			
Truck Loading Dust	Tons of material being loaded per day	240	Aggregate		Jan-42	Sep-42	9	165			0.0026	0.0004			
Truck Loading on site - idling	Number of Vehicles	20	12	1.67	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0136	0.0000
Trucks Traveling on site	Number of Vehicles	20	Unpaved	2.00	Jan-42	Sep-42	9	165	0.0001	0.0003	0.0001	0.0000	0.0000	0.0867	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Unpaved	0.40	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0106	0.0000
Cement Trucks - idling	Number of Vehicles	28		2.33	Jan-42	Sep-42	9	165	0.0001	0.0001	0.0000	0.0000	0.0000	0.0190	0.0000
Cement Trucks Traveling on site	Number of Vehicles	28	Paved	2.80	Jan-42	Sep-42	9	165	0.0001	0.0005	0.0000	0.0000	0.0000	0.1214	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0233*	*0.0125*	*0.0001*	*0.2515*	*0.0000*
Shoring Cont.															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-42	Sep-42	9	165			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jan-42	Sep-42	9	165			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends									*Emissions prorated for weekend work - mulitplied by 36/60*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-42	Nov-42	4	60			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-42	Nov-42	4	60			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0169	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-42	Nov-42	4	60	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0174*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-42	Jun-43	8	166			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-42	Jun-43	8	166			0.0465	0.0274			
Truck Loading Dust	Tons of material being loaded per day	2,940	Dirt		Nov-42	Jun-43	8	166			0.0033	0.0005			
Truck Loading on site - idling	Number of Vehicles	147	20	12.25	Nov-42	Jun-43	8	166	0.0009	0.0006	0.0000	0.0000	0.0001	0.1127	0.0000
Trucks Traveling on site	Number of Vehicles	147	Paved	14.70	Nov-42	Jun-43	8	166	0.0008	0.0028	0.0001	0.0000	0.0001	0.7212	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0016*	*0.0033*	*0.0500*	*0.0280*	*0.0002*	*0.8340*	*0.0000*
Disassembly of TBM and Relocate															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Jan-45	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-44	Jan-45	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-44	Jan-45	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Paved	0.10	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0018*	*0.0000*
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-46	Jul-47	18	370			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-46	Jul-47	18	370			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-46	Jul-47	18	370			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Feb-46	Jul-47	18	370	0.0000	0.0001	0.0000	0.0000	0.0000	0.0376	0.0000
				0.00	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0437*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Nov-48	17	350			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jul-47	Nov-48	17	350			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jul-47	Nov-48	17	350			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0254	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0261*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jul-47	Apr-48	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jul-47	Apr-48	10	190			0.0213	0.0126			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Jul-47	Apr-48	10	190			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Jul-47	Apr-48	10	190	0.0002	0.0002	0.0000	0.0000	0.0000	0.0314	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Jul-47	Apr-48	10	190	0.0002	0.0007	0.0000	0.0000	0.0000	0.1901	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0219*	*0.0127*	*0.0000*	*0.2215*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends									*Emissions prorated for weekend work - mulitplied by 36/61*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-48	Jun-48	3	61			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-48	Jun-48	3	61			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-48	Jun-48	3	61			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-48	Jun-48	3	61	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0193*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-48	Jan-49	10	201			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Dirt		Apr-48	Jan-49	10	201			0.0113	0.0066			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-48	Jan-49	10	201			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	3		0.25	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	3	Paved	0.30	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0073	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0113*	*0.0066*	*0.0000*	*0.0075*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
				Feb-41	May-41	4	78							
Trucks Traveling on site	Number of Vehicles	13	66	Feb-41	May-41	4	78	0.0087	0.0297	0.0069	0.0010	0.0009	21.1186	0.0002
				Feb-41	May-41	4	78							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-41	May-41	4	78	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-41	May-41	4	78							
Totals								*0.0087*	*0.0297*	*0.0069*	*0.0010*	*0.0009*	*21.1186*	*0.0002*
Utility Relocation & Site Preparation														
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
				May-41	Jul-42	15	304							
Trucks Traveling on site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Deliveries Traveling on site	Number of Vehicles	4	66	May-41	Jul-42	15	304	0.0005	0.0012	0.0009	0.0001	0.0001	3.6554	0.0000
				May-41	Jul-42	15	304							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-41	Jul-42	15	304	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-41	Jul-42	15	304							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.6554*	*0.0000*
Shoring														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling on site	Number of Vehicles	20	66	Jan-42	Sep-42	9	165	0.0121	0.0425	0.0100	0.0015	0.0013	30.2259	0.0003
				Jan-42	Sep-42	9	165							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-42	Sep-42	9	165	0.0004	0.0010	0.0008	0.0001	0.0001	3.1767	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling on site	Number of Vehicles	28	66	Jan-42	Sep-42	9	165	0.0169	0.0595	0.0140	0.0021	0.0018	42.3162	0.0004
				Jan-42	Sep-42	9	165							
Totals								*0.0295*	*0.1031*	*0.0248*	*0.0037*	*0.0032*	*75.7188*	*0.0007*
Shoring Cont.														
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
				Jan-42	Sep-42	9	165							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-42	Sep-42	9	165	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-42	Sep-42	9	165							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Decking - 12 Weekends							*Prorated*							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
				Aug-42	Nov-42	4	36							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Aug-42	Nov-42	4	36	0.0007	0.0016	0.0013	0.0001	0.0001	5.0683	0.0000
				Aug-42	Nov-42	4	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-42	Nov-42	4	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-42	Nov-42	4	36							
Totals								*0.0007*	*0.0016*	*0.0013*	*0.0001*	*0.0001*	*5.0683*	*0.0000*

HH hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation														
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
				Nov-42	Jun-43	8	166							
Trucks Traveling on site	Number of Vehicles	147	66	Nov-42	Jun-43	8	166	0.1006	0.3536	0.0831	0.0124	0.0107	251.4450	0.0023
				Nov-42	Jun-43	8	166							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-42	Jun-43	8	166	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-42	Jun-43	8	166							
Totals								*0.1006*	*0.3536*	*0.0831*	*0.0124*	*0.0107*	*251.4450*	*0.0023*
Disassembly of TBM and Relocate														
				Nov-44	Jan-45	3	40							
				Nov-44	Jan-45	3	40							
				Nov-44	Jan-45	3	40							
				Nov-44	Jan-45	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Jan-45	3	40							
Deliveries Traveling on site	Number of Vehicles	1	66	Nov-44	Jan-45	3	40	0.0001	0.0002	0.0001	0.0000	0.0000	0.5377	0.0000
				Nov-44	Jan-45	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Jan-45	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Jan-45	3	40							
Totals								*0.0001*	*0.0002*	*0.0001*	*0.0000*	*0.0000*	*0.5377*	*0.0000*
Cast-in-place box structure														
				Feb-46	Jul-47	18	370							
				Feb-46	Jul-47	18	370							
				Feb-46	Jul-47	18	370							
				Feb-46	Jul-47	18	370							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Jul-47	18	370							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-46	Jul-47	18	370	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-46	Jul-47	18	370							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Feb-46	Jul-47	18	370	0.0048	0.0185	0.0045	0.0007	0.0005	13.1764	0.0001
				Feb-46	Jul-47	18	370							
Totals								*0.0048*	*0.0185*	*0.0045*	*0.0007*	*0.0005*	*13.1764*	*0.0001*
MEP and Architectural finish work														
				Jul-47	Nov-48	17	350							
				Jul-47	Nov-48	17	350							
				Jul-47	Nov-48	17	350							
				Jul-47	Nov-48	17	350							
Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Nov-48	17	350							
Deliveries Traveling on site	Number of Vehicles	10	66	Jul-47	Nov-48	17	350	0.0010	0.0022	0.0023	0.0002	0.0001	7.6312	0.0001
				Jul-47	Nov-48	17	350							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Nov-48	17	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Nov-48	17	350							
Totals								*0.0010*	*0.0022*	*0.0023*	*0.0002*	*0.0001*	*7.6312*	*0.0001*
Backfill														
				Jul-47	Apr-48	10	190							
				Jul-47	Apr-48	10	190							
				Jul-47	Apr-48	10	190							
				Jul-47	Apr-48	10	190							
Trucks Traveling on site	Number of Vehicles	44	66	Jul-47	Apr-48	10	190	0.0237	0.0939	0.0227	0.0034	0.0025	66.6868	0.0006
				Jul-47	Apr-48	10	190							
Deliveries Traveling on site	Number of Vehicles	0	66	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Apr-48	10	190							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jul-47	Apr-48	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jul-47	Apr-48	10	190							
Totals								*0.0237*	*0.0939*	*0.0227*	*0.0034*	*0.0025*	*66.6868*	*0.0006*

HH hauling

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Decking removal - 12 weekends							*Prorated*							
				Apr-48	Jun-48	3	36							
				Apr-48	Jun-48	3	36							
				Apr-48	Jun-48	3	36							
				Apr-48	Jun-48	3	36							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-48	Jun-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	Jun-48	3	36							
Deliveries Traveling on site	Number of Vehicles	13	66	Apr-48	Jun-48	3	36	0.0007	0.0016	0.0017	0.0002	0.0001	5.6557	0.0001
				Apr-48	Jun-48	3	36							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-48	Jun-48	3	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	Jun-48	3	36							
Totals								*0.0007*	*0.0016*	*0.0017*	*0.0002*	*0.0001*	*5.6557*	*0.0001*
Surface Restoration														
				Apr-48	Jan-49	10	201							
				Apr-48	Jan-49	10	201							
				Apr-48	Jan-49	10	201							
				Apr-48	Jan-49	10	201							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	Jan-49	10	201							
Deliveries Traveling on site	Number of Vehicles	3	66	Apr-48	Jan-49	10	201	0.0003	0.0006	0.0007	0.0001	0.0000	2.1862	0.0000
				Apr-48	Jan-49	10	201							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-48	Jan-49	10	201	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-48	Jan-49	10	201							
Totals								*0.0003*	*0.0006*	*0.0007*	*0.0001*	*0.0000*	*2.1862*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.012	0.009	0.000	0.000	0.000	5.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	4/9/2041	9/6/2041	6	109	0.058	0.004	0.000	0.000	0.001	17.7	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	4/9/2041	9/6/2041	6	109	0.064	0.005	0.000	0.000	0.003	10.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/9/2041	9/6/2041	6	109	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.135*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.018	0.002	0.000	0.000	0.000	12.7	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.017	0.014	0.000	0.000	0.001	2.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	8/22/2041	4/28/2042	9	178	0.021	0.004	0.000	0.000	0.003	9.9	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.011	0.001	0.000	0.000	0.000	3.2	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	8/22/2041	4/28/2042	9	178	0.018	0.001	0.000	0.000	0.001	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/22/2041	4/28/2042	9	178	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.084*	*0.022*	*0.001*	*0.001*	*0.006*	*31*	*0.000*
Shoring																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	12/31/2041	3/31/2042	4	65	0.023	0.002	0.000	0.000	0.000	16.2	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	12/31/2041	3/31/2042	4	65	0.123	0.012	0.000	0.000	0.002	48.2	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	2	0.34	0.50	8	4	8	12/31/2041	3/31/2042	4	65	0.023	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	2	0.42	0.25	8	2	4	12/31/2041	3/31/2042	4	65	0.033	0.008	0.000	0.000	0.004	16.5	0.000
Bobcat-100	Fleet Average	85	Diesel	2	0.56	0.25	8	2	4	12/31/2041	3/31/2042	4	65	0.022	0.002	0.000	0.000	0.001	3.6	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	2	0.40	0.25	8	2	4	12/31/2041	3/31/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	12/31/2041	3/31/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	12/31/2041	3/31/2042	4	65	0.019	0.002	0.000	0.000	0.001	3.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/31/2041	3/31/2042	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/31/2041	3/31/2042	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*15*										*0.254*	*0.037*	*0.001*	*0.001*	*0.010*	*104*	*0.001*
Decking 7 weekends														*Modified to reflect weekend only (multiplied by 21/35)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	3/1/2042	4/19/2042	2	35	0.0096	0.0010	0.0000	0.0000	0.0002	6.7	0.0001
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	3/1/2042	4/19/2042	2	35	0.0099	0.0010	0.0000	0.0000	0.0002	7.0	0.0001
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	3/1/2042	4/19/2042	2	35	0.0029	0.0023	0.0000	0.0000	0.0002	0.5	0.0000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	3/1/2042	4/19/2042	2	35	0.0218	0.0022	0.0001	0.0001	0.0004	12.5	0.0001
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	3/1/2042	4/19/2042	2	35	0.0073	0.0006	0.0001	0.0001	0.0004	1.1	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/1/2042	4/19/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/1/2042	4/19/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/1/2042	4/19/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/1/2042	4/19/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/1/2042	4/19/2042	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0	0.0000
Construction Equipment Total				*5*										*0.052*	*0.007*	*0.000*	*0.000*	*0.001*	*28*	*0.000*
Excavation																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/19/2042	5/11/2043	14	276	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	4/19/2042	5/11/2043	14	276	0.028	0.044	0.001	0.001	0.001	14.8	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	4/19/2042	5/11/2043	14	276	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	4/19/2042	5/11/2043	14	276	0.018	0.020	0.001	0.001	0.001	6.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	4/19/2042	5/11/2043	14	276	0.019	0.025	0.001	0.001	0.001	7.9	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	4/19/2042	5/11/2043	14	276	0.019	0.004	0.000	0.000	0.003	8.8	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/19/2042	5/11/2043	14	276	0.000	0.000	0.000	0.000	0.000	9.2	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	4/19/2042	5/11/2043	14	276	0.007	0.005	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/19/2042	5/11/2043	14	276	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/19/2042	5/11/2043	14	276	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.129*	*0.101*	*0.003*	*0.003*	*0.006*	*73*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
TBM Equipment Setup																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Off-Highway Truck-175	Tier 4	156	Diesel	1	0.38	0.50	8	4	4	9/23/2042	10/20/2042	2	20	0.010	0.001	0.000	0.000	0.000	3.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/23/2042	10/20/2042	2	20	0.005	0.000	0.000	0.000	0.000	1.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/23/2042	10/20/2042	2	20	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.003*	*0.000*	*0.000*	*0.001*	*18*	*0.000*
TBM Assembly														*Row 84 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	12/22/2043	2/15/2044	3	40	0.013	0.001	0.000	0.000	0.000	8.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.407	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	12/22/2043	2/15/2044	3	40	0.014	0.001	0.000	0.000	0.000	4.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	4.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/22/2043	2/15/2044	3	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.027*	*0.002*	*0.000*	*0.000*	*0.000*	*19*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	2/28/2045	10/23/2045	9	170	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	2/28/2045	10/23/2045	9	170	0.050	0.004	0.000	0.000	0.001	15.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	2/28/2045	10/23/2045	9	170	0.037	0.004	0.000	0.000	0.001	19.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	52.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	55.1	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	2/28/2045	10/23/2045	9	170	0.078	0.114	0.003	0.002	0.003	32.2	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	2/28/2045	10/23/2045	9	170	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/28/2045	10/23/2045	9	170	0.039	0.004	0.000	0.000	0.001	22.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/28/2045	10/23/2045	9	170	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.136*	*0.131*	*0.003*	*0.003*	*0.005*	*114*	*0.001*
TBM Reassembly														*Row 120 Modified to Reflect 6 Days Only (6/40)*						
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	1/3/2045	2/27/2045	2	40	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.50	8	4	4	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.611	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	1/3/2045	2/27/2045	2	40	0.021	0.001	0.000	0.000	0.000	6.5	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	8	2	4	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	24	24	48	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	7.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	2/27/2045	2	40	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.040*	*0.003*	*0.000*	*0.000*	*0.001*	*28*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	2/16/2044	11/7/2044	10	190	0.018	0.002	0.000	0.000	0.000	12.6	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	2/16/2044	11/7/2044	10	190	0.051	0.004	0.000	0.000	0.001	15.4	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	2/16/2044	11/7/2044	10	190	0.037	0.004	0.000	0.000	0.001	20.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	3.3	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	53.2	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.105*	*0.009*	*0.000*	*0.000*	*0.002*	*118*	*0.000*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued																				
Conveyor System -50	Fleet Average	50	Electric	2	0.73	0.20	20	4	8	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	1.1	0.000
Bore/Drill-9999	Fleet Average	2,000	Electric	2	0.50	0.50	10	5	10	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	55.4	0.000
Segment Hauler-300	Tier 2	300	Diesel	2	0.48	0.25	20	5	10	2/16/2044	11/7/2044	10	190	0.078	0.114	0.003	0.002	0.003	32.4	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	2/16/2044	11/7/2044	10	190	0.019	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	2/16/2044	11/7/2044	10	190	0.039	0.004	0.000	0.000	0.001	22.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/16/2044	11/7/2044	10	190	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.137*	*0.132*	*0.003*	*0.003*	*0.005*	*115*	*0.001*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	1/3/2045	5/21/2046	17	360	0.004	0.000	0.000	0.000	0.000	2.8	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	1/3/2045	5/21/2046	17	360	0.007	0.001	0.000	0.000	0.000	3.6	0.000
Excavator-100	Tier 2	90	Diesel	4	0.34	0.25	8	2	8	1/3/2045	5/21/2046	17	360	0.021	0.027	0.001	0.001	0.001	9.9	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	4	0.42	1.00	8	8	32	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	4.9	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	1.00	24	24	48	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	29.6	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	2	0.34	0.05	8	0	1	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.4	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	2	0.42	0.20	8	2	3	1/3/2045	5/21/2046	17	360	0.003	0.004	0.000	0.000	0.000	1.3	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	1/3/2045	5/21/2046	17	360	0.011	0.008	0.000	0.000	0.001	1.5	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	0.20	10	2	4	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	10	3	5	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.8	0.000
Construction Equipment Total				*21*										*0.046*	*0.039*	*0.001*	*0.001*	*0.002*	*55*	*0.000*
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	2	0.34	1.00	24	24	48	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	14.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/3/2045	5/21/2046	17	360	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*15*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	9/26/2045	6/1/2048	34	700	0.004	0.000	0.000	0.000	0.000	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	9/26/2045	6/1/2048	34	700	0.022	0.002	0.000	0.000	0.000	6.7	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	2.4	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	9/26/2045	6/1/2048	34	700	0.171	0.017	0.001	0.001	0.003	98.2	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/26/2045	6/1/2048	34	700	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.197*	*0.019*	*0.001*	*0.001*	*0.004*	*110*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Cast-in-place box structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	4/20/2046	6/17/2047	15	302	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	4/20/2046	6/17/2047	15	302	0.015	0.001	0.000	0.000	0.000	8.0	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	4/20/2046	6/17/2047	15	302	0.016	0.002	0.000	0.000	0.000	9.0	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	9.4	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	4/20/2046	6/17/2047	15	302	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/20/2046	6/17/2047	15	302	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	6/18/2047	5/18/2048	12	240	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/18/2047	5/18/2048	12	240	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	6/18/2047	5/18/2048	12	240	0.040	0.008	0.001	0.001	0.006	18.1	0.000
Telehandler-175	Tier 4	142	Diesel	4	0.46	0.25	8	2	8	6/18/2047	5/18/2048	12	240	0.043	0.003	0.000	0.000	0.001	13.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	5/18/2048	12	240	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*13*										*0.137*	*0.021*	*0.001*	*0.001*	*0.014*	*57*	*0.001*
Backfill																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	9/10/2047	2/17/2048	6	115	0.016	0.002	0.000	0.000	0.000	8.7	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	9/10/2047	2/17/2048	6	115	0.025	0.002	0.000	0.000	0.001	4.1	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/10/2047	2/17/2048	6	115	0.007	0.005	0.000	0.000	0.000	3.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/10/2047	2/17/2048	6	115	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.048*	*0.009*	*0.000*	*0.000*	*0.002*	*20*	*0.000*
Decking Removal - 7 weekends														*Modified to reflect weekend only (multiplied by 21/36)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	2/3/2048	3/23/2048	2	36	0.010	0.001	0.000	0.000	0.000	6.7	0.000
Crane-300	Tier 4	285	Diesel	1	0.29	0.50	8	4	4	2/3/2048	3/23/2048	2	36	0.010	0.001	0.000	0.000	0.000	7.0	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	2/3/2048	3/23/2048	2	36	0.012	0.009	0.000	0.000	0.001	2.0	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	2/3/2048	3/23/2048	2	36	0.020	0.002	0.000	0.000	0.000	11.5	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	2/3/2048	3/23/2048	2	36	0.047	0.004	0.000	0.000	0.003	7.4	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/3/2048	3/23/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/3/2048	3/23/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/3/2048	3/23/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/3/2048	3/23/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/3/2048	3/23/2048	2	36	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.099*	*0.017*	*0.000*	*0.000*	*0.004*	*35*	*0.000*
Surface Restoration																				
Crane-300	Tier 4	285	Diesel	4	0.29	0.25	8	2	8	2/17/2048	7/13/2048	6	106	0.033	0.003	0.000	0.000	0.001	23.5	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	4	0.37	0.25	8	2	8	2/17/2048	7/13/2048	6	106	0.030	0.003	0.000	0.000	0.001	16.0	0.000
Roller -300	Fleet Average	210	Diesel	4	0.31	0.25	8	2	8	2/17/2048	7/13/2048	6	106	0.036	0.008	0.000	0.000	0.005	17.0	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	4	0.38	0.25	8	2	8	2/17/2048	7/13/2048	6	106	0.035	0.007	0.000	0.000	0.006	15.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/17/2048	7/13/2048	6	106	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*16*										*0.135*	*0.022*	*0.001*	*0.001*	*0.012*	*73*	*0.001*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-41	Sep-41	6	109			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Aggregate		Apr-41	Sep-41	6	109			0.0190	0.0144			
Truck Loading Dust	Tons of material being loaded per day	156	Aggregate		Apr-41	Sep-41	6	109			0.0017	0.0003			
Truck Loading on site - idling	Number of Vehicles	13	12	1.08	Apr-41	Sep-41	6	109	0.0001	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Apr-41	Sep-41	6	109	0.0001	0.0002	0.0000	0.0000	0.0000	0.0565	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0207*	*0.0146*	*0.0000*	*0.0652*	*0.0000*
Utility Relocation & Site Preparation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-41	Apr-42	9	178			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Aug-41	Apr-42	9	178			0.0222	0.0131			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Aug-41	Apr-42	9	178			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0119	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0222*	*0.0131*	*0.0000*	*0.0122*	*0.0000*
Shoring															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-41	Mar-42	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-41	Mar-42	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Dec-41	Mar-42	4	65			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0194	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0042	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-41	Mar-42	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0272	0.0000
				0.00	Dec-41	Mar-42	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0188*	*0.0108*	*0.0000*	*0.0564*	*0.0000*
Decking 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/35*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-42	Apr-42	2	35			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-42	Apr-42	2	35			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Mar-42	Apr-42	2	35			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0197	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-42	Apr-42	2	35	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0203*	*0.0000*
Excavation															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	May-43	14	276			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Apr-42	May-43	14	276			0.0442	0.0261			
Truck Loading Dust	Tons of material being loaded per day	780	Dirt		Apr-42	May-43	14	276			0.0008	0.0001			
Truck Loading on site - idling	Number of Vehicles	39	20	3.25	Apr-42	May-43	14	276	0.0002	0.0001	0.0000	0.0000	0.0000	0.0284	0.0000
Trucks Traveling on site	Number of Vehicles	39	Paved	3.90	Apr-42	May-43	14	276	0.0002	0.0007	0.0000	0.0000	0.0000	0.1818	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0008*	*0.0451*	*0.0262*	*0.0000*	*0.2102*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	20			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-42	Oct-42	2	20			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0087	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0089*	*0.0000*
TBM Assembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-43	Feb-44	3	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-43	Feb-44	3	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0038*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-45	Oct-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-45	Oct-45	9	170			0.0132	0.0078			
Truck Loading Dust	Tons of material being loaded per day	1,360	Dirt		Feb-45	Oct-45	9	170			0.0014	0.0002			
Truck Loading on site - idling	Number of Vehicles	68	20	5.67	Feb-45	Oct-45	9	170	0.0004	0.0002	0.0000	0.0000	0.0000	0.0478	0.0000
Trucks Traveling on site	Number of Vehicles	68	Paved	6.80	Feb-45	Oct-45	9	170	0.0003	0.0011	0.0001	0.0000	0.0000	0.2956	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0418	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0007*	*0.0014*	*0.0147*	*0.0080*	*0.0001*	*0.3864*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-45	Oct-45	9	170			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-45	Oct-45	9	170			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-45	Oct-45	9	170			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-45	Feb-45	2	40			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-45	Feb-45	2	40			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-45	Feb-45	2	40			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	2		0.17	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	2	Paved	0.20	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0052	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0053*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Nov-44	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Feb-44	Nov-44	10	190			0.0133	0.0079			
Truck Loading Dust	Tons of material being loaded per day	2,240	Dirt		Feb-44	Nov-44	10	190			0.0023	0.0004			
Truck Loading on site - idling	Number of Vehicles	112	20	9.33	Feb-44	Nov-44	10	190	0.0006	0.0004	0.0000	0.0000	0.0001	0.0790	0.0000
Trucks Traveling on site	Number of Vehicles	112	Paved	11.20	Feb-44	Nov-44	10	190	0.0005	0.0019	0.0001	0.0000	0.0001	0.4936	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0434	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0011*	*0.0023*	*0.0157*	*0.0082*	*0.0001*	*0.6171*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-44	Nov-44	10	190			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-44	Nov-44	10	190			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-44	Nov-44	10	190			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-45	May-46	17	360			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		Jan-45	May-46	17	360			0.0267	0.0158			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		Jan-45	May-46	17	360			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	0.0000
				0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0267*	*0.0158*	*0.0000*	*0.0113*	*0.0000*
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-45	May-46	17	360			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-45	May-46	17	360			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-45	May-46	17	360			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Jun-48	34	700			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Jun-48	34	700			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Jun-48	34	700			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0188	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0193*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-46	Jun-47	15	302			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Apr-46	Jun-47	15	302			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Apr-46	Jun-47	15	302			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	8		0.67	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0060	0.0000
Cement Trucks Traveling on site	Number of Vehicles	8	Paved	0.80	Apr-46	Jun-47	15	302	0.0000	0.0001	0.0000	0.0000	0.0000	0.0368	0.0000
				0.00	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0000*	*0.0000*	*0.0000*	*0.0428*	*0.0000*
MEP and Architectural finish work															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	May-48	12	240			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-47	May-48	12	240			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-47	May-48	12	240			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	10		0.83	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0007	0.0000
Deliveries Traveling on site	Number of Vehicles	10	Paved	1.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0247	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0253*	*0.0000*
Backfill															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Feb-48	6	115			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-47	Feb-48	6	115			0.0215	0.0127			
Truck Loading Dust	Tons of material being loaded per day	528	Dirt		Sep-47	Feb-48	6	115			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	44	12	3.67	Sep-47	Feb-48	6	115	0.0002	0.0002	0.0000	0.0000	0.0000	0.0317	0.0000
Trucks Traveling on site	Number of Vehicles	44	Paved	4.40	Sep-47	Feb-48	6	115	0.0002	0.0007	0.0000	0.0000	0.0000	0.1918	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0004*	*0.0009*	*0.0221*	*0.0128*	*0.0000*	*0.2234*	*0.0000*
Decking Removal - 7 weekends									*Emissions prorated for weekend work - mulitplied by 21/36*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-48	Mar-48	2	36			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Feb-48	Mar-48	2	36			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Feb-48	Mar-48	2	36			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	13		1.08	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0000
Deliveries Traveling on site	Number of Vehicles	13	Unpaved	1.30	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0164	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-48	Mar-48	2	36	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0169*	*0.0000*
Surface Restoration															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-48	Jul-48	6	106			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-48	Jul-48	6	106			0.0198	0.0117			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-48	Jul-48	6	106			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0128	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0198*	*0.0117*	*0.0000*	*0.0131*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition														
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
				Apr-41	Sep-41	6	109							
Trucks Traveling on site	Number of Vehicles	13	66	Apr-41	Sep-41	6	109	0.0081	0.0277	0.0064	0.0010	0.0009	19.6746	0.0002
				Apr-41	Sep-41	6	109							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-41	Sep-41	6	109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-41	Sep-41	6	109							
Totals								*0.0081*	*0.0277*	*0.0064*	*0.0010*	*0.0009*	*19.6746*	*0.0002*
Utility Relocation & Site Preparation														
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
				Aug-41	Apr-42	9	178							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Deliveries Traveling on site	Number of Vehicles	4	66	Aug-41	Apr-42	9	178	0.0005	0.0012	0.0009	0.0001	0.0001	3.5673	0.0000
				Aug-41	Apr-42	9	178							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-41	Apr-42	9	178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-41	Apr-42	9	178							
Totals								*0.0005*	*0.0012*	*0.0009*	*0.0001*	*0.0001*	*3.5673*	*0.0000*
Shoring														
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
				Dec-41	Mar-42	4	65							
Trucks Traveling on site	Number of Vehicles	5	66	Dec-41	Mar-42	4	65	0.0028	0.0095	0.0022	0.0003	0.0003	6.7688	0.0001
				Dec-41	Mar-42	4	65							
Deliveries Traveling on site	Number of Vehicles	1	66	Dec-41	Mar-42	4	65	0.0001	0.0002	0.0002	0.0000	0.0000	0.7327	0.0000
				Dec-41	Mar-42	4	65							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Dec-41	Mar-42	4	65	0.0039	0.0133	0.0031	0.0005	0.0004	9.4763	0.0001
				Dec-41	Mar-42	4	65							
Totals								*0.0068*	*0.0231*	*0.0055*	*0.0008*	*0.0007*	*16.9779*	*0.0002*
Decking 7 weekends							*Prorated*							
				Mar-42	Apr-42	2	21							
				Mar-42	Apr-42	2	21							
				Mar-42	Apr-42	2	21							
				Mar-42	Apr-42	2	21							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-42	2	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Mar-42	Apr-42	2	21	0.0008	0.0019	0.0015	0.0002	0.0001	5.9130	0.0001
				Mar-42	Apr-42	2	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-42	Apr-42	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-42	Apr-42	2	21							
Totals								*0.0008*	*0.0019*	*0.0015*	*0.0002*	*0.0001*	*5.9130*	*0.0001*
Excavation														
				Apr-42	May-43	14	276							
				Apr-42	May-43	14	276							
				Apr-42	May-43	14	276							
				Apr-42	May-43	14	276							
Trucks Traveling on site	Number of Vehicles	39	66	Apr-42	May-43	14	276	0.0254	0.0891	0.0209	0.0031	0.0027	63.3801	0.0006
				Apr-42	May-43	14	276							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	May-43	14	276							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-42	May-43	14	276	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	May-43	14	276							
Totals								*0.0254*	*0.0891*	*0.0209*	*0.0031*	*0.0027*	*63.3801*	*0.0006*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
TBM Equipment Setup														
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
				Sep-42	Oct-42	2	20							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Deliveries Traveling on site	Number of Vehicles	6	66	Sep-42	Oct-42	2	20	0.0004	0.0008	0.0007	0.0001	0.0000	2.5991	0.0000
				Sep-42	Oct-42	2	20							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-42	Oct-42	2	20	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-42	Oct-42	2	20							
Totals								*0.0004*	*0.0008*	*0.0007*	*0.0001*	*0.0000*	*2.5991*	*0.0000*
TBM Assembly														
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
				Dec-43	Feb-44	3	40							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Dec-43	Feb-44	3	40	0.0001	0.0004	0.0003	0.0000	0.0000	1.1129	0.0000
				Dec-43	Feb-44	3	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-43	Feb-44	3	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-43	Feb-44	3	40							
Totals								*0.0001*	*0.0004*	*0.0003*	*0.0000*	*0.0000*	*1.1129*	*0.0000*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)														
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
Trucks Traveling on site	Number of Vehicles	68	66	Feb-45	Oct-45	9	170	0.0386	0.1456	0.0349	0.0052	0.0041	103.4744	0.0009
				Feb-45	Oct-45	9	170							
Deliveries Traveling on site	Number of Vehicles	17	66	Feb-45	Oct-45	9	170	0.0016	0.0038	0.0036	0.0004	0.0002	12.5523	0.0001
				Feb-45	Oct-45	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	Oct-45	9	170							
Totals								*0.0402*	*0.1494*	*0.0385*	*0.0056*	*0.0043*	*116.0267*	*0.0011*
Bore tunnels from La Brea/Santa Monica (LBSM) to Hollywood/Highland (HH)-Continued														
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
				Feb-45	Oct-45	9	170							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	Oct-45	9	170							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	Oct-45	9	170							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-45	Oct-45	9	170	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-45	Oct-45	9	170							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
TBM Reassembly														
				Jan-45	Feb-45	2	40							
				Jan-45	Feb-45	2	40							
				Jan-45	Feb-45	2	40							
				Jan-45	Feb-45	2	40							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	Feb-45	2	40							
Deliveries Traveling on site	Number of Vehicles	2	66	Jan-45	Feb-45	2	40	0.0002	0.0005	0.0004	0.0000	0.0000	1.5636	0.0000
				Jan-45	Feb-45	2	40							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-45	Feb-45	2	40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	Feb-45	2	40							
Totals								*0.0002*	*0.0005*	*0.0004*	*0.0000*	*0.0000*	*1.5636*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW)														
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
Trucks Traveling on site	Number of Vehicles	112	66	Feb-44	Nov-44	10	190	0.0659	0.2427	0.0579	0.0086	0.0070	172.5392	0.0016
				Feb-44	Nov-44	10	190							
Deliveries Traveling on site	Number of Vehicles	17	66	Feb-44	Nov-44	10	190	0.0017	0.0040	0.0036	0.0004	0.0002	13.0255	0.0001
				Feb-44	Nov-44	10	190							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Nov-44	10	190							
Totals								*0.0676*	*0.2467*	*0.0615*	*0.0090*	*0.0072*	*185.5647*	*0.0017*
Bore tunnels from La Brea/Santa Monica (LBSM) to La Brea/Wilshire (LBW) - Continued														
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
				Feb-44	Nov-44	10	190							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Nov-44	10	190							
Deliveries Traveling on site	Number of Vehicles	0	66	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Nov-44	10	190							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-44	Nov-44	10	190	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-44	Nov-44	10	190							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
Trucks Traveling on site	Number of Vehicles	1	66	Jan-45	May-46	17	360	0.0006	0.0024	0.0006	0.0001	0.0001	1.7060	0.0000
				Jan-45	May-46	17	360							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	May-46	17	360							
Cement Trucks Traveling on site	Number of Vehicles	1	66	Jan-45	May-46	17	360	0.0006	0.0024	0.0006	0.0001	0.0001	1.7060	0.0000
				Jan-45	May-46	17	360							
Totals								*0.0013*	*0.0048*	*0.0012*	*0.0002*	*0.0001*	*3.4119*	*0.0000*
Crosspassage - Continued														
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
				Jan-45	May-46	17	360							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	May-46	17	360							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	May-46	17	360							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-45	May-46	17	360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-45	May-46	17	360							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Sep-45	Jun-48	34	700							
				Sep-45	Jun-48	34	700							
				Sep-45	Jun-48	34	700							
				Sep-45	Jun-48	34	700							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Jun-48	34	700							
Deliveries Traveling on site	Number of Vehicles	7	66	Sep-45	Jun-48	34	700	0.0007	0.0017	0.0016	0.0002	0.0001	5.6336	0.0001
				Sep-45	Jun-48	34	700							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Jun-48	34	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Jun-48	34	700							
Totals								*0.0007*	*0.0017*	*0.0016*	*0.0002*	*0.0001*	*5.6336*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Cast-in-place box structure														
				Apr-46	Jun-47	15	302							
				Apr-46	Jun-47	15	302							
				Apr-46	Jun-47	15	302							
				Apr-46	Jun-47	15	302							
Trucks Traveling on site	Number of Vehicles	0	66	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Jun-47	15	302							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-46	Jun-47	15	302	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-46	Jun-47	15	302							
Cement Trucks Traveling on site	Number of Vehicles	8	66	Apr-46	Jun-47	15	302	0.0047	0.0182	0.0044	0.0007	0.0005	12.9057	0.0001
				Apr-46	Jun-47	15	302							
Totals								*0.0047*	*0.0182*	*0.0044*	*0.0007*	*0.0005*	*12.9057*	*0.0001*
MEP and Architectural finish work														
				Jun-47	May-48	12	240							
				Jun-47	May-48	12	240							
				Jun-47	May-48	12	240							
				Jun-47	May-48	12	240							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	May-48	12	240							
Deliveries Traveling on site	Number of Vehicles	10	66	Jun-47	May-48	12	240	0.0009	0.0022	0.0022	0.0002	0.0001	7.4132	0.0001
				Jun-47	May-48	12	240							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	May-48	12	240	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	May-48	12	240							
Totals								*0.0009*	*0.0022*	*0.0022*	*0.0002*	*0.0001*	*7.4132*	*0.0001*
Backfill														
				Sep-47	Feb-48	6	115							
				Sep-47	Feb-48	6	115							
				Sep-47	Feb-48	6	115							
				Sep-47	Feb-48	6	115							
Trucks Traveling on site	Number of Vehicles	44	66	Sep-47	Feb-48	6	115	0.0239	0.0947	0.0229	0.0034	0.0025	67.2717	0.0006
				Sep-47	Feb-48	6	115							
Deliveries Traveling on site	Number of Vehicles	0	66	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Feb-48	6	115							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-47	Feb-48	6	115	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-47	Feb-48	6	115							
Totals								*0.0239*	*0.0947*	*0.0229*	*0.0034*	*0.0025*	*67.2717*	*0.0006*
Decking Removal - 7 weekends							*Prorated*							
				Feb-48	Mar-48	2	21							
				Feb-48	Mar-48	2	21							
				Feb-48	Mar-48	2	21							
				Feb-48	Mar-48	2	21							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Mar-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-48	2	21							
Deliveries Traveling on site	Number of Vehicles	13	66	Feb-48	Mar-48	2	21	0.0006	0.0014	0.0015	0.0002	0.0001	4.9488	0.0000
				Feb-48	Mar-48	2	21							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Mar-48	2	21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Mar-48	2	21							
Totals								*0.0006*	*0.0014*	*0.0015*	*0.0002*	*0.0001*	*4.9488*	*0.0000*
Surface Restoration														
				Feb-48	Jul-48	6	106							
				Feb-48	Jul-48	6	106							
				Feb-48	Jul-48	6	106							
				Feb-48	Jul-48	6	106							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Jul-48	6	106							
Deliveries Traveling on site	Number of Vehicles	6	66	Feb-48	Jul-48	6	106	0.0005	0.0011	0.0012	0.0001	0.0001	3.8430	0.0000
				Feb-48	Jul-48	6	106							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-48	Jul-48	6	106	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-48	Jul-48	6	106							
Totals								*0.0005*	*0.0011*	*0.0012*	*0.0001*	*0.0001*	*3.8430*	*0.0000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Excavator-75	Tier 4	54	Diesel	1	0.38	0.50	8	4	4	4/15/2042	6/14/2042	3	44	0.005	0.004	0.000	0.000	0.000	2.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.75	8	6	6	4/15/2042	6/14/2042	3	44	0.023	0.002	0.000	0.000	0.000	7.1	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.50	8	4	4	4/15/2042	6/14/2042	3	44	0.026	0.002	0.000	0.000	0.001	4.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	4/15/2042	6/14/2042	3	44	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*3*										*0.054*	*0.007*	*0.000*	*0.000*	*0.002*	*13*	*0.000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	6/15/2042	9/1/2042	4	56	0.013	0.001	0.000	0.000	0.000	9.0	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	6/15/2042	9/1/2042	4	56	0.012	0.010	0.000	0.000	0.001	1.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	6/15/2042	9/1/2042	4	56	0.015	0.003	0.000	0.000	0.002	7.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/15/2042	9/1/2042	4	56	0.007	0.001	0.000	0.000	0.000	2.3	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	6/15/2042	9/1/2042	4	56	0.012	0.001	0.000	0.000	0.001	2.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/15/2042	9/1/2042	4	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/15/2042	9/1/2042	4	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/15/2042	9/1/2042	4	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/15/2042	9/1/2042	4	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/15/2042	9/1/2042	4	56	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.060*	*0.016*	*0.000*	*0.000*	*0.004*	*22*	*0.000*
Shoring - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/2/2042	10/13/2042	2	30	0.021	0.002	0.000	0.000	0.000	15.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	9/2/2042	10/13/2042	2	30	0.057	0.006	0.000	0.000	0.001	22.3	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/2/2042	10/13/2042	2	30	0.011	0.001	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/2/2042	10/13/2042	2	30	0.015	0.004	0.000	0.000	0.002	7.6	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/2/2042	10/13/2042	2	30	0.010	0.001	0.000	0.000	0.000	1.7	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/2/2042	10/13/2042	2	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/2/2042	10/13/2042	2	30	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/2/2042	10/13/2042	2	30	0.018	0.002	0.000	0.000	0.001	2.8	0.000
Sweeper/Scrubber-100	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/2/2042	10/13/2042	2	30	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/2/2042	10/13/2042	2	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.137*	*0.019*	*0.001*	*0.001*	*0.005*	*57*	*0.001*
Excavation - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/14/2042	6/14/2043	9	174	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/14/2042	6/14/2043	9	174	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	10/14/2042	6/14/2043	9	174	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	10/14/2042	6/14/2043	9	174	0.131	0.109	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/14/2042	6/14/2043	9	174	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*11*										*0.247*	*0.162*	*0.002*	*0.002*	*0.014*	*88*	*0.001*
Cast-in-place station box structure - Shaft (Miner Rd)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	6/14/2043	3/25/2044	10	205	0.010	0.001	0.000	0.000	0.000	6.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	6/14/2043	3/25/2044	10	205	0.016	0.002	0.000	0.000	0.000	9.1	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	4.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	6/14/2043	3/25/2044	10	205	0.011	0.001	0.000	0.000	0.000	3.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/14/2043	3/25/2044	10	205	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.037*	*0.003*	*0.000*	*0.000*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Miner Rd)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/25/2044	8/29/2044	6	112	0.014	0.001	0.000	0.000	0.000	7.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/25/2044	8/29/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	3/25/2044	8/29/2044	6	112	0.009	0.002	0.000	0.000	0.001	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/25/2044	8/29/2044	6	112	0.010	0.001	0.000	0.000	0.000	3.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/25/2044	8/29/2044	6	112	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.043*	*0.006*	*0.000*	*0.000*	*0.003*	*19*	*0.000*
Shoring - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/6/2044	10/17/2044	2	30	0.021	0.002	0.000	0.000	0.000	15.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	1	0.50	0.75	8	6	6	9/6/2044	10/17/2044	2	30	0.057	0.006	0.000	0.000	0.001	22.3	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/6/2044	10/17/2044	2	30	0.011	0.001	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/6/2044	10/17/2044	2	30	0.015	0.004	0.000	0.000	0.002	7.6	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/6/2044	10/17/2044	2	30	0.010	0.001	0.000	0.000	0.000	1.7	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/6/2044	10/17/2044	2	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/6/2044	10/17/2044	2	30	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/6/2044	10/17/2044	2	30	0.018	0.002	0.000	0.000	0.001	2.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/6/2044	10/17/2044	2	30	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/6/2044	10/17/2044	2	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.137*	*0.019*	*0.001*	*0.001*	*0.005*	*57*	*0.001*
Decking -3 Weekends (Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/18/2044	11/8/2044	2	16	0.004	0.000	0.000	0.000	0.000	2.9	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	1	0.36	0.50	8	4	4	10/18/2044	11/8/2044	2	16	0.001	0.001	0.000	0.000	0.000	0.2	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	10/18/2044	11/8/2044	2	16	0.009	0.001	0.000	0.000	0.000	5.4	0.000
Off-Highway Truck-100	Fleet Average	85	Diesel	1	0.44	0.25	8	2	2	10/18/2044	11/8/2044	2	16	0.003	0.000	0.000	0.000	0.000	0.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/18/2044	11/8/2044	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.018*	*0.003*	*0.000*	*0.000*	*0.000*	*9*	*0.000*
Excavation - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	11/9/2044	9/1/2045	11	213	0.009	0.001	0.000	0.000	0.000	6.4	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	11/9/2044	9/1/2045	11	213	0.027	0.043	0.001	0.001	0.001	14.6	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	11/9/2044	9/1/2045	11	213	0.018	0.003	0.000	0.000	0.003	8.6	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	11/9/2044	9/1/2045	11	213	0.000	0.000	0.000	0.000	0.000	9.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	16	8	8	11/9/2044	9/1/2045	11	213	0.080	0.008	0.000	0.000	0.002	31.5	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/9/2044	9/1/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	1	0.40	0.50	16	8	8	11/9/2044	9/1/2045	11	213	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	16	8	32	11/9/2044	9/1/2045	11	213	0.131	0.110	0.001	0.001	0.011	21.5	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	11/9/2044	9/1/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/9/2044	9/1/2045	11	213	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*12*										*0.266*	*0.165*	*0.002*	*0.002*	*0.016*	*97*	*0.001*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	9/1/2045	8/27/2046	12	257	0.010	0.001	0.000	0.000	0.000	7.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	9/1/2045	8/27/2046	12	257	0.017	0.002	0.000	0.000	0.000	9.5	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	1	0.38	1.00	16	16	16	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	5.0	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/1/2045	8/27/2046	12	257	0.011	0.001	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2045	8/27/2046	12	257	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.038*	*0.003*	*0.000*	*0.000*	*0.001*	*27*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	8/27/2046	3/4/2047	8	136	0.013	0.001	0.000	0.000	0.000	6.7	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/27/2046	3/4/2047	8	136	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	8/27/2046	3/4/2047	8	136	0.008	0.002	0.000	0.000	0.001	3.8	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	8/27/2046	3/4/2047	8	136	0.009	0.001	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/27/2046	3/4/2047	8	136	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.039*	*0.005*	*0.000*	*0.000*	*0.003*	*17*	*0.000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)																				
Crane-300	Fleet Average	285	Electric	2	0.29	0.50	8	4	8	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	5.4	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.50	8	4	8	12/8/2048	3/8/2049	4	65	0.028	0.003	0.000	0.000	0.001	14.8	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	2	0.40	0.50	8	4	8	12/8/2048	3/8/2049	4	65	0.042	0.004	0.000	0.000	0.002	7.0	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	2	0.30	0.50	8	4	8	12/8/2048	3/8/2049	4	65	0.012	0.009	0.000	0.000	0.000	6.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/8/2048	3/8/2049	4	65	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.081*	*0.015*	*0.001*	*0.001*	*0.003*	*33*	*0.000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)														*Modified to reflect weekend only (multiplied by 9/16)*						
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	12/23/2048	1/13/2049	2	16	0.004	0.000	0.000	0.000	0.000	2.887	0.000
Portable Light Plant-50	Fleet Average	50	Diesel	4	0.36	0.50	8	4	16	12/23/2048	1/13/2049	2	16	0.005	0.004	0.000	0.000	0.000	0.854	0.000
Welding Plant-600	Tier 4	489	Diesel	1	0.34	0.50	8	4	4	12/23/2048	1/13/2049	2	16	0.009	0.001	0.000	0.000	0.000	4.930	0.000
Off-Highway Truck-175	Fleet Average	156	Diesel	1	0.38	1.00	8	8	8	12/23/2048	1/13/2049	2	16	0.020	0.002	0.000	0.000	0.001	3.185	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/23/2048	1/13/2049	2	16	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.038*	*0.007*	*0.000*	*0.000*	*0.002*	*12*	*0.000*
Conventional Tunneling - Miner Rd to Franklin PI																				
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	29.7	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	8/30/2044	9/11/2045	14	270	0.104	0.021	0.001	0.001	0.016	48.3	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	8/30/2044	9/11/2045	14	270	0.163	0.136	0.001	0.001	0.014	26.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	8/30/2044	9/11/2045	14	270	0.200	0.020	0.001	0.001	0.004	78.5	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	8/30/2044	9/11/2045	14	270	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*14*										*0.467*	*0.177*	*0.003*	*0.003*	*0.033*	*189*	*0.001*
Conventional Tunneling - Station to North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	1/15/2047	6/17/2047	6	110	0.017	0.002	0.000	0.000	0.000	12.2	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.7	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	1/15/2047	6/17/2047	6	110	0.049	0.003	0.000	0.000	0.001	14.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.3	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	1/15/2047	6/17/2047	6	110	0.035	0.004	0.000	0.000	0.001	19.4	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	3.2	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	51.3	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Construction Equipment Total				*13*										*0.102*	*0.009*	*0.000*	*0.000*	*0.002*	*114*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Conventional Tunneling - Station to North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	1/15/2047	6/17/2047	6	110	0.019	0.013	0.000	0.000	0.002	2.5	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.5	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	1/15/2047	6/17/2047	6	110	0.038	0.004	0.000	0.000	0.001	21.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	28.2	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	1/15/2047	6/17/2047	6	110	0.099	0.020	0.001	0.001	0.015	45.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	1/15/2047	6/17/2047	6	110	0.155	0.130	0.001	0.001	0.013	25.5	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	1/15/2047	6/17/2047	6	110	0.190	0.019	0.001	0.001	0.004	74.6	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2047	6/17/2047	6	110	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.501*	*0.185*	*0.003*	*0.003*	*0.034*	*204*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	9/18/2045	12/29/2045	4	75	0.018	0.002	0.000	0.000	0.000	12.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	9/18/2045	12/29/2045	4	75	0.036	0.004	0.000	0.000	0.001	19.8	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	52.5	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	1.6	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	28.9	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	9/18/2045	12/29/2045	4	75	0.101	0.020	0.001	0.001	0.015	46.9	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	9/18/2045	12/29/2045	4	75	0.158	0.133	0.001	0.001	0.013	26.1	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	9/18/2045	12/29/2045	4	75	0.195	0.019	0.001	0.001	0.004	76.3	0.001
Construction Equipment Total				*17*										*0.508*	*0.178*	*0.003*	*0.003*	*0.033*	*271*	*0.002*
Conventional Tunneling - North Double Crossover to North Shaft - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/18/2045	12/29/2045	4	75	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*5*	*0.000*
SEM Construction - South Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	12/6/2044	11/20/2045	12	250	0.020	0.002	0.000	0.000	0.000	13.9	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	12/6/2044	11/20/2045	12	250	0.056	0.004	0.000	0.000	0.001	16.9	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	12/6/2044	11/20/2045	12	250	0.040	0.004	0.000	0.000	0.001	22.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	3.0	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	3.6	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	58.3	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	4.6	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	1.8	0.000
Construction Equipment Total				*13*										*0.116*	*0.010*	*0.000*	*0.000*	*0.002*	*130*	*0.000*
SEM Construction - South Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	12/6/2044	11/20/2045	12	250	0.021	0.015	0.000	0.000	0.002	2.9	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	12/6/2044	11/20/2045	12	250	0.043	0.004	0.000	0.000	0.001	24.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	32.1	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	12/6/2044	11/20/2045	12	250	0.112	0.022	0.001	0.001	0.017	52.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	12/6/2044	11/20/2045	12	250	0.176	0.147	0.001	0.001	0.015	29.0	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	12/6/2044	11/20/2045	12	250	0.216	0.022	0.001	0.001	0.004	84.8	0.001
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	2.9	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	12/6/2044	11/20/2045	12	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.569*	*0.210*	*0.004*	*0.004*	*0.039*	*232*	*0.002*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
SEM Construction - Station Structure																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	11/21/2045	1/14/2047	15	300	0.019	0.002	0.000	0.000	0.000	13.3	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.1	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	11/21/2045	1/14/2047	15	300	0.053	0.004	0.000	0.000	0.001	16.2	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.5	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	11/21/2045	1/14/2047	15	300	0.039	0.004	0.000	0.000	0.001	21.1	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.9	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	3.5	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	56.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.111*	*0.010*	*0.000*	*0.000*	*0.002*	*125*	*0.000*
SEM Construction - Station Structure - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	11/21/2045	1/14/2047	15	300	0.020	0.014	0.000	0.000	0.002	2.8	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	11/21/2045	1/14/2047	15	300	0.041	0.004	0.000	0.000	0.001	23.8	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	30.8	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	11/21/2045	1/14/2047	15	300	0.108	0.021	0.001	0.001	0.016	50.0	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	11/21/2045	1/14/2047	15	300	0.169	0.142	0.001	0.001	0.014	27.8	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	11/21/2045	1/14/2047	15	300	0.207	0.021	0.001	0.001	0.004	81.4	0.001
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	11/21/2045	1/14/2047	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.546*	*0.202*	*0.004*	*0.004*	*0.037*	*223*	*0.002*
SEM Construction - North Double Crossover																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.20	20	4	4	6/18/2047	6/1/2048	13	250	0.018	0.002	0.000	0.000	0.000	12.8	0.000
Crane-600	Fleet Average	349	Electric	1	0.29	0.20	20	4	4	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	3.9	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	20	5	10	6/18/2047	6/1/2048	13	250	0.051	0.004	0.000	0.000	0.001	15.6	0.000
Aerial Lift-50	Fleet Average	50	Electric	2	0.31	0.25	20	5	10	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	1.4	0.000
Rubber Tired Loader-600	Tier 4	375	Diesel	1	0.36	0.25	20	5	5	6/18/2047	6/1/2048	13	250	0.037	0.004	0.000	0.000	0.001	20.3	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	1.00	20	20	20	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	2.8	0.000
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	0.50	24	12	12	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	3.4	0.000
Ventilation Plant-300	Fleet Average	200	Electric	2	0.34	2.00	24	48	96	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	53.8	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	20	10	10	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	4.2	0.000
Other Construction Equipment-75	Fleet Average	60	Electric	1	0.42	0.50	20	10	10	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Construction Equipment Total				*13*										*0.107*	*0.009*	*0.000*	*0.000*	*0.002*	*120*	*0.000*
SEM Construction - North Double Crossover - Continued																				
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	20	4	4	6/18/2047	6/1/2048	13	250	0.020	0.014	0.000	0.000	0.002	2.6	0.000
Electrical Shop-50	Fleet Average	50	Electric	1	0.34	0.20	20	4	4	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	0.6	0.000
Welding Plant-600	Tier 4	380	Diesel	1	0.34	0.70	8	6	6	6/18/2047	6/1/2048	13	250	0.040	0.004	0.000	0.000	0.001	22.9	0.000
Excavator-600	Fleet Average	528	Electric	2	0.38	0.50	20	10	20	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	29.6	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	2	0.40	0.50	20	10	20	6/18/2047	6/1/2048	13	250	0.104	0.021	0.001	0.001	0.016	48.1	0.000
Excavator-75	Fleet Average	54	Diesel	4	0.38	0.50	20	10	40	6/18/2047	6/1/2048	13	250	0.163	0.136	0.001	0.001	0.014	26.7	0.000
Bore/Drill-600	Tier 4	362	Diesel	2	0.50	0.50	20	10	20	6/18/2047	6/1/2048	13	250	0.200	0.020	0.001	0.001	0.004	78.3	0.001
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
Slurry/Bentonite Mixing Plant/Pump-	Fleet Average	120	Electric	2	0.40	0.20	20	4	8	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	2.7	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/18/2047	6/1/2048	13	250	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*17*										*0.525*	*0.194*	*0.004*	*0.003*	*0.036*	*214*	*0.002*
Crosspassage																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	5/15/2045	9/11/2045	5	86	0.003	0.000	0.000	0.000	0.000	2.3	0.000
Rubber Tired Dozer-600	Tier 4	375	Diesel	1	0.40	0.10	8	1	1	5/15/2045	9/11/2045	5	86	0.006	0.001	0.000	0.000	0.000	2.9	0.000
Excavator-100	Tier 2	90	Diesel	2	0.34	0.25	8	2	4	5/15/2045	9/11/2045	5	86	0.009	0.011	0.000	0.000	0.000	4.0	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	2.0	0.000
Ventilation Plant-300	Fleet Average	200	Electric	1	0.34	1.00	24	24	24	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	12.0	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.05	8	0	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.2	0.000
Other Construction Equipment-50	Tier 2	25	Diesel	1	0.42	0.20	8	2	2	5/15/2045	9/11/2045	5	86	0.001	0.001	0.000	0.000	0.000	0.5	0.000
Machine Shop-50	Fleet Average	50	Diesel	1	0.34	0.20	10	2	2	5/15/2045	9/11/2045	5	86	0.009	0.006	0.000	0.000	0.001	1.2	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	1	0.42	0.20	10	2	2	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Aerial Lift-50	Fleet Average	50	Electric	1	0.31	0.25	10	3	3	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.3	0.000
Construction Equipment Total				*12*										*0.028*	*0.020*	*0.001*	*0.001*	*0.001*	*26*	*0.000*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity: Months of Activity	Construction Activity: Days of Activity	Estimated Average Pollutant Monthly Emissions: CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Crosspassage - Continued																				
Water Treatment Plant-100	Fleet Average	100	Electric	1	0.34	1.00	24	24	24	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	6.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/15/2045	9/11/2045	5	86	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*1*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*6*	*0.000*
Trackwork																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.10	8	1	1	6/2/2048	4/12/2049	11	225	0.004	0.000	0.000	0.000	0.000	2.7	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.25	8	2	4	6/2/2048	4/12/2049	11	225	0.022	0.002	0.000	0.000	0.000	6.6	0.000
Other Construction Equipment-50	Fleet Average	50	Electric	2	0.42	1.00	8	8	16	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	2.4	0.000
Welding Plant-600	Tier 4	380	Diesel	4	0.34	0.70	8	6	22	6/2/2048	4/12/2049	11	225	0.170	0.017	0.001	0.001	0.003	97.5	0.001
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	6/2/2048	4/12/2049	11	225	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*9*										*0.195*	*0.019*	*0.001*	*0.001*	*0.004*	*109*	*0.001*
Demolition - West Entrance																				
Excavator-75	Tier 4	54	Diesel	2	0.38	0.50	8	4	8	3/5/2047	5/19/2047	3	54	0.012	0.009	0.000	0.000	0.000	5.0	0.000
Telehandler-175	Tier 4	142	Diesel	2	0.46	0.75	8	6	12	3/5/2047	5/19/2047	3	54	0.058	0.004	0.000	0.000	0.001	17.5	0.000
Bobcat-175	Fleet Average	125	Diesel	2	0.56	0.50	8	4	8	3/5/2047	5/19/2047	3	54	0.064	0.005	0.000	0.000	0.003	10.3	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/5/2047	5/19/2047	3	54	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*6*										*0.133*	*0.018*	*0.001*	*0.000*	*0.004*	*33*	*0.000*
Utility Relocation & Site Preparation - West Entrance																				
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	5/19/2047	9/2/2047	5	76	0.014	0.001	0.000	0.000	0.000	9.8	0.000
Excavator-75	Fleet Average	54	Diesel	1	0.38	0.50	8	4	4	5/19/2047	9/2/2047	5	76	0.013	0.011	0.000	0.000	0.001	2.1	0.000
Rubber Tired Loader-300	Fleet Average	221	Diesel	1	0.40	0.50	8	4	4	5/19/2047	9/2/2047	5	76	0.016	0.003	0.000	0.000	0.002	7.6	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	5/19/2047	9/2/2047	5	76	0.008	0.001	0.000	0.000	0.000	2.5	0.000
Bobcat-175	Fleet Average	125	Diesel	1	0.56	0.25	8	2	2	5/19/2047	9/2/2047	5	76	0.013	0.001	0.000	0.000	0.001	2.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2047	9/2/2047	5	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2047	9/2/2047	5	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2047	9/2/2047	5	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	5/19/2047	9/2/2047	5	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	5/19/2047	9/2/2047	5	76	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*5*										*0.065*	*0.017*	*0.000*	*0.000*	*0.005*	*24*	*0.000*
Shoring - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.75	8	6	6	9/3/2047	10/14/2047	2	30	0.021	0.002	0.000	0.000	0.000	15.0	0.000
Bore/Drill-600	Tier 4	440	Diesel	2	0.50	0.75	8	6	12	9/3/2047	10/14/2047	2	30	0.113	0.011	0.000	0.000	0.002	44.5	0.000
Tractor/Loader/Backhoe-175	Tier 4	127	Diesel	1	0.34	0.50	8	4	4	9/3/2047	10/14/2047	2	30	0.011	0.001	0.000	0.000	0.000	4.4	0.000
Other Construction Equipment-600	Fleet Average	450	Diesel	1	0.42	0.25	8	2	2	9/3/2047	10/14/2047	2	30	0.015	0.004	0.000	0.000	0.002	7.6	0.000
Bobcat-100	Fleet Average	85	Diesel	1	0.56	0.25	8	2	2	9/3/2047	10/14/2047	2	30	0.010	0.001	0.000	0.000	0.000	1.7	0.000
Drilling Polymer Plant/Pump Mixer-50	Fleet Average	25	Electric	1	0.40	0.25	8	2	2	9/3/2047	10/14/2047	2	30	0.000	0.000	0.000	0.000	0.000	0.1	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.25	8	2	2	9/3/2047	10/14/2047	2	30	0.000	0.000	0.000	0.000	0.000	0.7	0.000
Other General Industrial Equipment-	Fleet Average	167	Diesel	1	0.34	0.25	8	2	2	9/3/2047	10/14/2047	2	30	0.018	0.002	0.000	0.000	0.001	2.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	9/3/2047	10/14/2047	2	30	0.005	0.004	0.000	0.000	0.000	2.8	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/3/2047	10/14/2047	2	30	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*10*										*0.193*	*0.025*	*0.001*	*0.001*	*0.006*	*80*	*0.001*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity		Estimated Average Pollutant Monthly Emissions						
												Months of Activity	Days of Activity	CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Excavation - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	10/15/2047	3/2/2048	6	100	0.008	0.001	0.000	0.000	0.000	5.5	0.000
Tractor/Loader/Backhoe-300	Tier 2	221	Diesel	1	0.37	0.75	8	6	6	10/15/2047	3/2/2048	6	100	0.023	0.037	0.001	0.001	0.001	12.5	0.000
Crane-300	Tier 4	275	Diesel	1	0.29	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.015	0.002	0.000	0.000	0.000	10.7	0.000
Rubber Tired Dozer-175	Tier 2	140	Diesel	1	0.40	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.015	0.017	0.001	0.000	0.001	5.4	0.000
Tractor/Loader/Backhoe-175	Tier 2	117	Diesel	1	0.34	0.75	8	6	6	10/15/2047	3/2/2048	6	100	0.016	0.021	0.001	0.001	0.001	6.7	0.000
Boom Truck-300	Fleet Average	200	Diesel	1	0.34	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.016	0.003	0.000	0.000	0.002	7.4	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	7.8	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.006	0.004	0.000	0.000	0.000	3.2	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	10/15/2047	3/2/2048	6	100	0.009	0.001	0.000	0.000	0.000	2.7	0.000
Bore/Drill-600	Tier 4	362	Diesel	1	0.50	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.035	0.003	0.000	0.000	0.001	13.6	0.000
Construction Equipment Total				*11*										*0.143*	*0.089*	*0.003*	*0.002*	*0.006*	*75*	*0.001*
Excavation - West Entrance - Continued																				
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	1.2	0.000
Slurry/Bentonite Mixing Plant/Pump-1	Fleet Average	120	Electric	1	0.40	0.50	8	4	4	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	1.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	10/15/2047	3/2/2048	6	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*2*										*0.000*	*0.000*	*0.000*	*0.000*	*0.000*	*2*	*0.000*
Cast-in-place station box structure - West Entrance																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	3/3/2048	8/31/2048	6	130	0.010	0.001	0.000	0.000	0.000	7.2	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.016	0.001	0.000	0.000	0.000	8.6	0.000
Other Material Handling Equipment-1	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	1.9	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	3/3/2048	8/31/2048	6	130	0.017	0.002	0.000	0.000	0.000	9.7	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	10.1	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	3/3/2048	8/31/2048	6	130	0.012	0.001	0.000	0.000	0.000	3.5	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	3/3/2048	8/31/2048	6	130	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.055*	*0.005*	*0.000*	*0.000*	*0.001*	*41*	*0.000*
MEP and Architectural finish work - West Entrance																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	9/1/2048	1/18/2049	5	100	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/1/2048	1/18/2049	5	100	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	9/1/2048	1/18/2049	5	100	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	9/1/2048	1/18/2049	5	100	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	9/1/2048	1/18/2049	5	100	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*
Backfill - West Entrance																				
Crane-300	Fleet Average	285	Electric	1	0.29	0.50	8	4	4	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	2.2	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	1	0.37	0.50	8	4	4	1/19/2049	2/24/2049	2	27	0.011	0.001	0.000	0.000	0.000	6.1	0.000
Rubber Tired Dozer-100	Fleet Average	80	Diesel	1	0.40	0.50	8	4	4	1/19/2049	2/24/2049	2	27	0.017	0.001	0.000	0.000	0.001	2.9	0.000
Sweeper/Scrubber-75	Tier 4	74	Diesel	1	0.30	0.50	8	4	4	1/19/2049	2/24/2049	2	27	0.005	0.004	0.000	0.000	0.000	2.6	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/19/2049	2/24/2049	2	27	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.034*	*0.006*	*0.000*	*0.000*	*0.001*	*14*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Apr-42	Jun-42	3	44			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Apr-42	Jun-42	3	44			0.0077	0.0058			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Apr-42	Jun-42	3	44			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Apr-42	Jun-42	3	44	0.0000	0.0001	0.0000	0.0000	0.0000	0.0139	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0081*	*0.0059*	*0.0000*	*0.0160*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-42	Sep-42	4	56			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jun-42	Sep-42	4	56			0.0157	0.0093			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Jun-42	Sep-42	4	56			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0081	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0157*	*0.0093*	*0.0000*	*0.0083*	*0.0000*
Shoring - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-42	Oct-42	2	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-42	Oct-42	2	30			0.0168	0.0099			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-42	Oct-42	2	30			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-42	Oct-42	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-42	Oct-42	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0177	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-42	Oct-42	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-42	Oct-42	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0022	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-42	Oct-42	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-42	Oct-42	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0248	0.0000
				0.00	Sep-42	Oct-42	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0174*	*0.0100*	*0.0000*	*0.0514*	*0.0000*
Excavation - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-42	Jun-43	9	174			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-42	Jun-43	9	174			0.0433	0.0256			
Truck Loading Dust	Tons of material being loaded per day	220	Dirt		Oct-42	Jun-43	9	174			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	11	20	0.92	Oct-42	Jun-43	9	174	0.0001	0.0000	0.0000	0.0000	0.0000	0.0079	0.0000
Trucks Traveling on site	Number of Vehicles	11	Paved	1.10	Oct-42	Jun-43	9	174	0.0001	0.0002	0.0000	0.0000	0.0000	0.0503	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0436*	*0.0256*	*0.0000*	*0.0581*	*0.0000*
Cast-in-place station box structure - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-43	Mar-44	10	205			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-43	Mar-44	10	205			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-43	Mar-44	10	205			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jun-43	Mar-44	10	205	0.0000	0.0001	0.0000	0.0000	0.0000	0.0192	0.0000
				0.00	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0222*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-44	Aug-44	6	112			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-44	Aug-44	6	112			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-44	Aug-44	6	112			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0100	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0103*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-44	Oct-44	2	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-44	Oct-44	2	30			0.0168	0.0099			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-44	Oct-44	2	30			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-44	Oct-44	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-44	Oct-44	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0174	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-44	Oct-44	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-44	Oct-44	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0020	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-44	Oct-44	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-44	Oct-44	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0244	0.0000
				0.00	Sep-44	Oct-44	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0174*	*0.0100*	*0.0000*	*0.0505*	*0.0000*
Decking -3 Weekends (Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-44	Nov-44	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-44	Nov-44	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Oct-44	Nov-44	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	5		0.42	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	5	Unpaved	0.50	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-44	Nov-44	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0031*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-44	Sep-45	11	213			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Nov-44	Sep-45	11	213			0.0434	0.0256			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Nov-44	Sep-45	11	213			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Nov-44	Sep-45	11	213	0.0001	0.0001	0.0000	0.0000	0.0000	0.0101	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Nov-44	Sep-45	11	213	0.0001	0.0002	0.0000	0.0000	0.0000	0.0629	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0437*	*0.0257*	*0.0000*	*0.0729*	*0.0000*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Aug-46	12	257			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Aug-46	12	257			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Aug-46	12	257			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0032	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-45	Aug-46	12	257	0.0000	0.0001	0.0000	0.0000	0.0000	0.0197	0.0000
				0.00	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0229*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-46	Mar-47	8	136			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Aug-46	Mar-47	8	136			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Aug-46	Mar-47	8	136			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0086	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0088*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-48	Mar-49	4	65			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Dec-48	Mar-49	4	65			0.0182	0.0107			
Truck Loading Dust	Tons of material being loaded per day	84	Dirt		Dec-48	Mar-49	4	65			0.0001	0.0000			
Truck Loading on site - idling	Number of Vehicles	7	12	0.58	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0043	0.0000
Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Dec-48	Mar-49	4	65	0.0000	0.0001	0.0000	0.0000	0.0000	0.0257	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0001*	*0.0183*	*0.0108*	*0.0000*	*0.0300*	*0.0000*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)									*Emissions prorated for weekend work - mulitplied by 9/16*						
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-48	Jan-49	2	16			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-48	Jan-49	2	16			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		Dec-48	Jan-49	2	16			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Unpaved	0.70	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0038	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-48	Jan-49	2	16	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0039*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin PI															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Aug-44	Sep-45	14	270			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Aug-44	Sep-45	14	270			0.0135	0.0080			
Truck Loading Dust	Tons of material being loaded per day	480	Dirt		Aug-44	Sep-45	14	270			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	24	20	2.00	Aug-44	Sep-45	14	270	0.0001	0.0001	0.0000	0.0000	0.0000	0.0172	0.0000
Trucks Traveling on site	Number of Vehicles	24	Paved	2.40	Aug-44	Sep-45	14	270	0.0001	0.0004	0.0000	0.0000	0.0000	0.1074	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Aug-44	Sep-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Aug-44	Sep-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0441	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Aug-44	Sep-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0029	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Aug-44	Sep-45	14	270	0.0000	0.0001	0.0000	0.0000	0.0000	0.0179	0.0000
				0.00	Aug-44	Sep-45	14	270	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0140*	*0.0081*	*0.0000*	*0.1905*	*0.0000*
Conventional Tunneling - Station to North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Jun-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jan-47	Jun-47	6	110			0.0128	0.0076			
Truck Loading Dust	Tons of material being loaded per day	280	Dirt		Jan-47	Jun-47	6	110			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	14	20	1.17	Jan-47	Jun-47	6	110	0.0001	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Trucks Traveling on site	Number of Vehicles	14	Paved	1.40	Jan-47	Jun-47	6	110	0.0001	0.0002	0.0000	0.0000	0.0000	0.0584	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0010	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0384	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-47	Jun-47	6	110	0.0000	0.0001	0.0000	0.0000	0.0000	0.0167	0.0000
				0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0131*	*0.0076*	*0.0000*	*0.1269*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Jun-47	6	110			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-47	Jun-47	6	110			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Jun-47	6	110			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Dec-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Sep-45	Dec-45	4	75			0.0131	0.0077			
Truck Loading Dust	Tons of material being loaded per day	240	Dirt		Sep-45	Dec-45	4	75			0.0002	0.0000			
Truck Loading on site - idling	Number of Vehicles	12	20	1.00	Sep-45	Dec-45	4	75	0.0001	0.0000	0.0000	0.0000	0.0000	0.0084	0.0000
Trucks Traveling on site	Number of Vehicles	12	Paved	1.20	Sep-45	Dec-45	4	75	0.0001	0.0002	0.0000	0.0000	0.0000	0.0518	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0415	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-45	Dec-45	4	75	0.0000	0.0001	0.0000	0.0000	0.0000	0.0173	0.0000
				0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0134*	*0.0078*	*0.0000*	*0.1228*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-45	Dec-45	4	75			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-45	Dec-45	4	75			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-45	Dec-45	4	75			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Nov-45	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Dec-44	Nov-45	12	250			0.0146	0.0086			
Truck Loading Dust	Tons of material being loaded per day	440	Dirt		Dec-44	Nov-45	12	250			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	22	20	1.83	Dec-44	Nov-45	12	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0170	0.0000
Trucks Traveling on site	Number of Vehicles	22	Paved	2.20	Dec-44	Nov-45	12	250	0.0001	0.0004	0.0000	0.0000	0.0000	0.1063	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0476	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0005*	*0.0151*	*0.0087*	*0.0000*	*0.1722*	*0.0000*
SEM Construction - South Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Dec-44	Nov-45	12	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Dec-44	Nov-45	12	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Dec-44	Nov-45	12	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-45	Jan-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Nov-45	Jan-47	15	300			0.0140	0.0083			
Truck Loading Dust	Tons of material being loaded per day	260	Dirt		Nov-45	Jan-47	15	300			0.0003	0.0000			
Truck Loading on site - idling	Number of Vehicles	13	20	1.08	Nov-45	Jan-47	15	300	0.0001	0.0000	0.0000	0.0000	0.0000	0.0097	0.0000
Trucks Traveling on site	Number of Vehicles	13	Paved	1.30	Nov-45	Jan-47	15	300	0.0001	0.0002	0.0000	0.0000	0.0000	0.0598	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0443	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0003*	*0.0143*	*0.0083*	*0.0000*	*0.1150*	*0.0000*
SEM Construction - Station Structure - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Nov-45	Jan-47	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Nov-45	Jan-47	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Nov-45	Jan-47	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Jun-48	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	5	Dirt		Jun-47	Jun-48	13	250			0.0135	0.0079			
Truck Loading Dust	Tons of material being loaded per day	360	Dirt		Jun-47	Jun-48	13	250			0.0004	0.0001			
Truck Loading on site - idling	Number of Vehicles	18	20	1.50	Jun-47	Jun-48	13	250	0.0001	0.0001	0.0000	0.0000	0.0000	0.0130	0.0000
Trucks Traveling on site	Number of Vehicles	18	Paved	1.80	Jun-47	Jun-48	13	250	0.0001	0.0003	0.0000	0.0000	0.0000	0.0787	0.0000
Deliveries on site - idling	Number of Vehicles	17		1.42	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0011	0.0000
Deliveries Traveling on site	Number of Vehicles	17	Paved	1.70	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0403	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0002*	*0.0004*	*0.0139*	*0.0080*	*0.0000*	*0.1331*	*0.0000*
SEM Construction - North Double Crossover - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-47	Jun-48	13	250			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-47	Jun-48	13	250			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-47	Jun-48	13	250			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-45	Sep-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	9	Dirt		May-45	Sep-45	5	86			0.0217	0.0128			
Truck Loading Dust	Tons of material being loaded per day	12	Dirt		May-45	Sep-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	1	12	0.08	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	1		0.08	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.0000
Cement Trucks Traveling on site	Number of Vehicles	1	Paved	0.10	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0040	0.0000
				0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0217*	*0.0128*	*0.0000*	*0.0092*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-45	Sep-45	5	86			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		May-45	Sep-45	5	86			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		May-45	Sep-45	5	86			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jun-48	Apr-49	11	225			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jun-48	Apr-49	11	225			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jun-48	Apr-49	11	225			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	7		0.58	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0005	0.0000
Deliveries Traveling on site	Number of Vehicles	7	Paved	0.70	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0172	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0177*	*0.0000*
Demolition - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-47	May-47	3	54			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	4	Aggregate		Mar-47	May-47	3	54			0.0094	0.0071			
Truck Loading Dust	Tons of material being loaded per day	48	Aggregate		Mar-47	May-47	3	54			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	4	12	0.33	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.0000
Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-47	May-47	3	54	0.0000	0.0001	0.0000	0.0000	0.0000	0.0164	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0099*	*0.0072*	*0.0000*	*0.0191*	*0.0000*
Utility Relocation & Site Preparation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		May-47	Sep-47	5	76			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		May-47	Sep-47	5	76			0.0170	0.0101			
Truck Loading Dust	Tons of material being loaded per day	0	Aggregate		May-47	Sep-47	5	76			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0075	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Unpaved	0.00	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0170*	*0.0101*	*0.0000*	*0.0077*	*0.0000*
Shoring - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-47	Oct-47	2	30			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Sep-47	Oct-47	2	30			0.0168	0.0099			
Truck Loading Dust	Tons of material being loaded per day	60	Aggregate		Sep-47	Oct-47	2	30			0.0005	0.0001			
Truck Loading on site - idling	Number of Vehicles	5	12	0.42	Sep-47	Oct-47	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0028	0.0000
Trucks Traveling on site	Number of Vehicles	5	Unpaved	0.50	Sep-47	Oct-47	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0171	0.0000
Deliveries on site - idling	Number of Vehicles	1		0.08	Sep-47	Oct-47	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	1	Unpaved	0.10	Sep-47	Oct-47	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.0000
Cement Trucks - idling	Number of Vehicles	7		0.58	Sep-47	Oct-47	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0039	0.0000
Cement Trucks Traveling on site	Number of Vehicles	7	Paved	0.70	Sep-47	Oct-47	2	30	0.0000	0.0001	0.0000	0.0000	0.0000	0.0239	0.0000
				0.00	Sep-47	Oct-47	2	30	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0001*	*0.0002*	*0.0174*	*0.0100*	*0.0000*	*0.0496*	*0.0000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Mar-48	6	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	16	Dirt		Oct-47	Mar-48	6	100			0.0374	0.0220			
Truck Loading Dust	Tons of material being loaded per day	660	Dirt		Oct-47	Mar-48	6	100			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	33	20	2.75	Oct-47	Mar-48	6	100	0.0002	0.0001	0.0000	0.0000	0.0000	0.0206	0.0000
Trucks Traveling on site	Number of Vehicles	33	Paved	3.30	Oct-47	Mar-48	6	100	0.0001	0.0005	0.0000	0.0000	0.0000	0.1251	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0003*	*0.0006*	*0.0380*	*0.0221*	*0.0000*	*0.1457*	*0.0000*
Excavation - West Entrance - Continued															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Oct-47	Mar-48	6	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Oct-47	Mar-48	6	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Oct-47	Mar-48	6	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	20	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Mar-48	Aug-48	6	130			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Mar-48	Aug-48	6	130			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Mar-48	Aug-48	6	130			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0033	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Mar-48	Aug-48	6	130	0.0000	0.0001	0.0000	0.0000	0.0000	0.0196	0.0000
				0.00	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0229*	*0.0000*
MEP and Architectural finish work - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Sep-48	Jan-49	5	100			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Sep-48	Jan-49	5	100			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Sep-48	Jan-49	5	100			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0099*	*0.0000*
Backfill - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-49	Feb-49	2	27			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Jan-49	Feb-49	2	27			0.0151	0.0089			
Truck Loading Dust	Tons of material being loaded per day	804	Dirt		Jan-49	Feb-49	2	27			0.0006	0.0001			
Truck Loading on site - idling	Number of Vehicles	67	12	5.58	Jan-49	Feb-49	2	27	0.0003	0.0002	0.0000	0.0000	0.0000	0.0342	0.0000
Trucks Traveling on site	Number of Vehicles	67	Paved	6.70	Jan-49	Feb-49	2	27	0.0002	0.0008	0.0000	0.0000	0.0000	0.2038	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0005*	*0.0010*	*0.0158*	*0.0090*	*0.0000*	*0.2380*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Demolition - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Apr-42	Jun-42	3	44							
				Apr-42	Jun-42	3	44							
				Apr-42	Jun-42	3	44							
				Apr-42	Jun-42	3	44							
Trucks Traveling on site	Number of Vehicles	4	66	Apr-42	Jun-42	3	44	0.0019	0.0068	0.0016	0.0002	0.0002	4.8361	0.0000
				Apr-42	Jun-42	3	44							
Deliveries Traveling on site	Number of Vehicles	0	66	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Jun-42	3	44							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Apr-42	Jun-42	3	44	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Apr-42	Jun-42	3	44							
Totals								*0.0019*	*0.0068*	*0.0016*	*0.0002*	*0.0002*	*4.8361*	*0.0000*
Utility Relocation & Site Preparation - Shaft sites (Miner Rd, Pilgrimage Bridge)														
				Jun-42	Sep-42	4	56							
				Jun-42	Sep-42	4	56							
				Jun-42	Sep-42	4	56							
				Jun-42	Sep-42	4	56							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-42	Sep-42	4	56							
Deliveries Traveling on site	Number of Vehicles	4	66	Jun-42	Sep-42	4	56	0.0003	0.0008	0.0006	0.0001	0.0000	2.4258	0.0000
				Jun-42	Sep-42	4	56							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-42	Sep-42	4	56	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-42	Sep-42	4	56							
Totals								*0.0003*	*0.0008*	*0.0006*	*0.0001*	*0.0000*	*2.4258*	*0.0000*
Shoring - Shaft (Miner Rd)														
				Sep-42	Oct-42	2	30							
				Sep-42	Oct-42	2	30							
				Sep-42	Oct-42	2	30							
				Sep-42	Oct-42	2	30							
Trucks Traveling on site	Number of Vehicles	5	66	Sep-42	Oct-42	2	30	0.0025	0.0087	0.0020	0.0003	0.0003	6.1826	0.0001
				Sep-42	Oct-42	2	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Sep-42	Oct-42	2	30	0.0001	0.0002	0.0002	0.0000	0.0000	0.6498	0.0000
				Sep-42	Oct-42	2	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Sep-42	Oct-42	2	30	0.0035	0.0122	0.0029	0.0004	0.0004	8.6556	0.0001
				Sep-42	Oct-42	2	30							
Totals								*0.0060*	*0.0211*	*0.0051*	*0.0007*	*0.0006*	*15.4879*	*0.0001*
Excavation - Shaft (Miner Rd)														
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
				Oct-42	Jun-43	9	174							
Trucks Traveling on site	Number of Vehicles	11	66	Oct-42	Jun-43	9	174	0.0070	0.0247	0.0058	0.0009	0.0007	17.5310	0.0002
				Oct-42	Jun-43	9	174							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-42	Jun-43	9	174	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-42	Jun-43	9	174							
Totals								*0.0070*	*0.0247*	*0.0058*	*0.0009*	*0.0007*	*17.5310*	*0.0002*
Cast-in-place station box structure - Shaft (Miner Rd)														
				Jun-43	Mar-44	10	205							
				Jun-43	Mar-44	10	205							
				Jun-43	Mar-44	10	205							
				Jun-43	Mar-44	10	205							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	Mar-44	10	205							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-43	Mar-44	10	205	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-43	Mar-44	10	205							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Jun-43	Mar-44	10	205	0.0026	0.0094	0.0022	0.0003	0.0003	6.6996	0.0001
				Jun-43	Mar-44	10	205							
Totals								*0.0026*	*0.0094*	*0.0022*	*0.0003*	*0.0003*	*6.6996*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Miner Rd)														
				Mar-44	Aug-44	6	112							
				Mar-44	Aug-44	6	112							
				Mar-44	Aug-44	6	112							
				Mar-44	Aug-44	6	112							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Aug-44	6	112							
Deliveries Traveling on site	Number of Vehicles	4	66	Mar-44	Aug-44	6	112	0.0004	0.0009	0.0008	0.0001	0.0001	3.0111	0.0000
				Mar-44	Aug-44	6	112							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-44	Aug-44	6	112	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-44	Aug-44	6	112							
Totals								*0.0004*	*0.0009*	*0.0008*	*0.0001*	*0.0001*	*3.0111*	*0.0000*
Shoring - Shaft (Pilgrimage Bridge)														
				Sep-44	Oct-44	2	30							
				Sep-44	Oct-44	2	30							
				Sep-44	Oct-44	2	30							
				Sep-44	Oct-44	2	30							
Trucks Traveling on site	Number of Vehicles	5	66	Sep-44	Oct-44	2	30	0.0023	0.0086	0.0020	0.0003	0.0002	6.0810	0.0001
				Sep-44	Oct-44	2	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Sep-44	Oct-44	2	30	0.0001	0.0002	0.0002	0.0000	0.0000	0.6049	0.0000
				Sep-44	Oct-44	2	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Sep-44	Oct-44	2	30	0.0032	0.0120	0.0029	0.0004	0.0003	8.5134	0.0001
				Sep-44	Oct-44	2	30							
Totals								*0.0057*	*0.0207*	*0.0051*	*0.0007*	*0.0006*	*15.1994*	*0.0001*
Decking -3 Weekends (Pilgrimage Bridge)							*Prorated*							
				Oct-44	Nov-44	2	9							
				Oct-44	Nov-44	2	9							
				Oct-44	Nov-44	2	9							
				Oct-44	Nov-44	2	9							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-44	Nov-44	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Nov-44	2	9							
Deliveries Traveling on site	Number of Vehicles	5	66	Oct-44	Nov-44	2	9	0.0001	0.0003	0.0002	0.0000	0.0000	0.9073	0.0000
				Oct-44	Nov-44	2	9							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-44	Nov-44	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-44	Nov-44	2	9							
Totals								*0.0001*	*0.0003*	*0.0002*	*0.0000*	*0.0000*	*0.9073*	*0.0000*
Excavation - Shaft (Pilgrimage Bridge)														
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
				Nov-44	Sep-45	11	213							
Trucks Traveling on site	Number of Vehicles	14	66	Nov-44	Sep-45	11	213	0.0084	0.0309	0.0074	0.0011	0.0009	21.9802	0.0002
				Nov-44	Sep-45	11	213							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-44	Sep-45	11	213	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-44	Sep-45	11	213							
Totals								*0.0084*	*0.0309*	*0.0074*	*0.0011*	*0.0009*	*21.9802*	*0.0002*
Cast-in-place station box structure - Shaft (Pilgrimage Bridge)														
				Sep-45	Aug-46	12	257							
				Sep-45	Aug-46	12	257							
				Sep-45	Aug-46	12	257							
				Sep-45	Aug-46	12	257							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Aug-46	12	257							
Deliveries Traveling on site	Number of Vehicles	0	66	Sep-45	Aug-46	12	257	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Aug-46	12	257							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Sep-45	Aug-46	12	257	0.0026	0.0097	0.0023	0.0003	0.0003	6.9013	0.0001
				Sep-45	Aug-46	12	257							
Totals								*0.0026*	*0.0097*	*0.0023*	*0.0003*	*0.0003*	*6.9013*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
MEP and Architectural finish work - Shaft (Pilgrimage Bridge)														
				Aug-46	Mar-47	8	136							
				Aug-46	Mar-47	8	136							
				Aug-46	Mar-47	8	136							
				Aug-46	Mar-47	8	136							
Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Mar-47	8	136							
Deliveries Traveling on site	Number of Vehicles	4	66	Aug-46	Mar-47	8	136	0.0003	0.0008	0.0008	0.0001	0.0000	2.5845	0.0000
				Aug-46	Mar-47	8	136							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Aug-46	Mar-47	8	136	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Aug-46	Mar-47	8	136							
Totals								*0.0003*	*0.0008*	*0.0008*	*0.0001*	*0.0000*	*2.5845*	*0.0000*
Backfill and Surface Restoration (Shaft Miner Rd, Pilgrimage Bridge)														
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
				Dec-48	Mar-49	4	65							
Trucks Traveling on site	Number of Vehicles	7	66	Dec-48	Mar-49	4	65	0.0031	0.0127	0.0031	0.0005	0.0003	9.0387	0.0001
				Dec-48	Mar-49	4	65							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-48	Mar-49	4	65	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Mar-49	4	65							
Totals								*0.0031*	*0.0127*	*0.0031*	*0.0005*	*0.0003*	*9.0387*	*0.0001*
Decking removal -3 weekends (Shaft Pilgrimage Bridge)							*Prorated*							
				Dec-48	Jan-49	2	9							
				Dec-48	Jan-49	2	9							
				Dec-48	Jan-49	2	9							
				Dec-48	Jan-49	2	9							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-48	Jan-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Jan-49	2	9							
Deliveries Traveling on site	Number of Vehicles	7	66	Dec-48	Jan-49	2	9	0.0001	0.0003	0.0003	0.0000	0.0000	1.1420	0.0000
				Dec-48	Jan-49	2	9							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-48	Jan-49	2	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-48	Jan-49	2	9							
Totals								*0.0001*	*0.0003*	*0.0003*	*0.0000*	*0.0000*	*1.1420*	*0.0000*
Conventional Tunneling - Miner Rd to Franklin Pl														
				Aug-44	Sep-45	14	270							
				Aug-44	Sep-45	14	270							
				Aug-44	Sep-45	14	270							
				Aug-44	Sep-45	14	270							
Trucks Traveling on site	Number of Vehicles	24	66	Aug-44	Sep-45	14	270	0.0143	0.0528	0.0126	0.0019	0.0015	37.5287	0.0003
				Aug-44	Sep-45	14	270							
Deliveries Traveling on site	Number of Vehicles	17	66	Aug-44	Sep-45	14	270	0.0017	0.0041	0.0036	0.0004	0.0002	13.2214	0.0001
				Aug-44	Sep-45	14	270							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Aug-44	Sep-45	14	270	0.0024	0.0088	0.0021	0.0003	0.0003	6.2548	0.0001
				Aug-44	Sep-45	14	270							
Totals								*0.0185*	*0.0657*	*0.0183*	*0.0026*	*0.0020*	*57.0048*	*0.0005*
Conventional Tunneling - Station to North Double Crossover														
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
Trucks Traveling on site	Number of Vehicles	14	66	Jan-47	Jun-47	6	110	0.0073	0.0288	0.0070	0.0010	0.0008	20.4740	0.0002
				Jan-47	Jun-47	6	110							
Deliveries Traveling on site	Number of Vehicles	17	66	Jan-47	Jun-47	6	110	0.0015	0.0034	0.0034	0.0003	0.0002	11.5522	0.0001
				Jan-47	Jun-47	6	110							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Jan-47	Jun-47	6	110	0.0021	0.0082	0.0020	0.0003	0.0002	5.8497	0.0001
				Jan-47	Jun-47	6	110							
Totals								*0.0108*	*0.0404*	*0.0124*	*0.0017*	*0.0012*	*37.8759*	*0.0003*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Conventional Tunneling - Station to North Double Crossover - Continued														
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
				Jan-47	Jun-47	6	110							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Jun-47	6	110							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Jun-47	6	110							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-47	Jun-47	6	110	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Jun-47	6	110							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Conventional Tunneling - North Double Crossover to North Shaft														
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
Trucks Traveling on site	Number of Vehicles	12	66	Sep-45	Dec-45	4	75	0.0068	0.0255	0.0061	0.0009	0.0007	18.1259	0.0002
				Sep-45	Dec-45	4	75							
Deliveries Traveling on site	Number of Vehicles	17	66	Sep-45	Dec-45	4	75	0.0016	0.0038	0.0035	0.0004	0.0002	12.4600	0.0001
				Sep-45	Dec-45	4	75							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Sep-45	Dec-45	4	75	0.0023	0.0085	0.0020	0.0003	0.0002	6.0420	0.0001
				Sep-45	Dec-45	4	75							
Totals								*0.0106*	*0.0378*	*0.0117*	*0.0016*	*0.0012*	*36.6279*	*0.0003*
Conventional Tunneling - North Double Crossover to North Shaft - Continued														
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
				Sep-45	Dec-45	4	75							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Dec-45	4	75							
Deliveries Traveling on site	Number of Vehicles	0	66	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Dec-45	4	75							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-45	Dec-45	4	75	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-45	Dec-45	4	75							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - South Double Crossover														
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
Trucks Traveling on site	Number of Vehicles	22	66	Dec-44	Nov-45	12	250	0.0142	0.0523	0.0125	0.0019	0.0015	37.1619	0.0003
				Dec-44	Nov-45	12	250							
Deliveries Traveling on site	Number of Vehicles	17	66	Dec-44	Nov-45	12	250	0.0019	0.0044	0.0039	0.0004	0.0003	14.2823	0.0001
				Dec-44	Nov-45	12	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Nov-45	12	250							
Totals								*0.0161*	*0.0567*	*0.0164*	*0.0023*	*0.0018*	*51.4442*	*0.0005*
SEM Construction - South Double Crossover - Continued														
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
				Dec-44	Nov-45	12	250							
Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Nov-45	12	250							
Deliveries Traveling on site	Number of Vehicles	0	66	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Nov-45	12	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Dec-44	Nov-45	12	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Dec-44	Nov-45	12	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
SEM Construction - Station Structure														
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
Trucks Traveling on site	Number of Vehicles	13	66	Nov-45	Jan-47	15	300	0.0078	0.0295	0.0071	0.0011	0.0008	20.9455	0.0002
				Nov-45	Jan-47	15	300							
Deliveries Traveling on site	Number of Vehicles	17	66	Nov-45	Jan-47	15	300	0.0017	0.0040	0.0038	0.0004	0.0002	13.2907	0.0001
				Nov-45	Jan-47	15	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	300							
Totals								*0.0095*	*0.0335*	*0.0108*	*0.0014*	*0.0011*	*34.2362*	*0.0003*
SEM Construction - Station Structure - Continued														
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
				Nov-45	Jan-47	15	300							
Trucks Traveling on site	Number of Vehicles	0	66	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	300							
Deliveries Traveling on site	Number of Vehicles	0	66	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Nov-45	Jan-47	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Nov-45	Jan-47	15	300							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
SEM Construction - North Double Crossover														
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
Trucks Traveling on site	Number of Vehicles	18	66	Jun-47	Jun-48	13	250	0.0098	0.0389	0.0094	0.0014	0.0010	27.6123	0.0003
				Jun-47	Jun-48	13	250							
Deliveries Traveling on site	Number of Vehicles	17	66	Jun-47	Jun-48	13	250	0.0015	0.0035	0.0036	0.0004	0.0002	12.1177	0.0001
				Jun-47	Jun-48	13	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jun-48	13	250							
Totals								*0.0114*	*0.0424*	*0.0130*	*0.0018*	*0.0013*	*39.7300*	*0.0004*
SEM Construction - North Double Crossover - Continued														
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
				Jun-47	Jun-48	13	250							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jun-48	13	250							
Deliveries Traveling on site	Number of Vehicles	0	66	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jun-48	13	250							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-47	Jun-48	13	250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-47	Jun-48	13	250							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Crosspassage														
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
Trucks Traveling on site	Number of Vehicles	1	66	May-45	Sep-45	5	86	0.0005	0.0019	0.0005	0.0001	0.0001	1.3856	0.0000
				May-45	Sep-45	5	86							
Deliveries Traveling on site	Number of Vehicles	0	66	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Sep-45	5	86							
Cement Trucks Traveling on site	Number of Vehicles	1	66	May-45	Sep-45	5	86	0.0005	0.0019	0.0005	0.0001	0.0001	1.3856	0.0000
				May-45	Sep-45	5	86							
Totals								*0.0010*	*0.0039*	*0.0009*	*0.0001*	*0.0001*	*2.7713*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Crosspassage - Continued														
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
				May-45	Sep-45	5	86							
Trucks Traveling on site	Number of Vehicles	0	66	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Sep-45	5	86							
Deliveries Traveling on site	Number of Vehicles	0	66	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Sep-45	5	86							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-45	Sep-45	5	86	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-45	Sep-45	5	86							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Trackwork														
				Jun-48	Apr-49	11	225							
				Jun-48	Apr-49	11	225							
				Jun-48	Apr-49	11	225							
				Jun-48	Apr-49	11	225							
Trucks Traveling on site	Number of Vehicles	0	66	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Apr-49	11	225							
Deliveries Traveling on site	Number of Vehicles	7	66	Jun-48	Apr-49	11	225	0.0007	0.0015	0.0016	0.0002	0.0001	5.1910	0.0000
				Jun-48	Apr-49	11	225							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jun-48	Apr-49	11	225	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jun-48	Apr-49	11	225							
Totals								*0.0007*	*0.0015*	*0.0016*	*0.0002*	*0.0001*	*5.1910*	*0.0000*
Demolition - West Entrance														
				Mar-47	May-47	3	54							
				Mar-47	May-47	3	54							
				Mar-47	May-47	3	54							
				Mar-47	May-47	3	54							
Trucks Traveling on site	Number of Vehicles	4	66	Mar-47	May-47	3	54	0.0020	0.0081	0.0020	0.0003	0.0002	5.7434	0.0001
				Mar-47	May-47	3	54							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	May-47	3	54							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Mar-47	May-47	3	54	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-47	May-47	3	54							
Totals								*0.0020*	*0.0081*	*0.0020*	*0.0003*	*0.0002*	*5.7434*	*0.0001*
Utility Relocation & Site Preparation - West Entrance														
				May-47	Sep-47	5	76							
				May-47	Sep-47	5	76							
				May-47	Sep-47	5	76							
				May-47	Sep-47	5	76							
Trucks Traveling on site	Number of Vehicles	0	66	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Sep-47	5	76							
Deliveries Traveling on site	Number of Vehicles	4	66	May-47	Sep-47	5	76	0.0003	0.0007	0.0007	0.0001	0.0000	2.2536	0.0000
				May-47	Sep-47	5	76							
Cement Trucks Traveling on site	Number of Vehicles	0	66	May-47	Sep-47	5	76	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				May-47	Sep-47	5	76							
Totals								*0.0003*	*0.0007*	*0.0007*	*0.0001*	*0.0000*	*2.2536*	*0.0000*
Shoring - West Entrance														
				Sep-47	Oct-47	2	30							
				Sep-47	Oct-47	2	30							
				Sep-47	Oct-47	2	30							
				Sep-47	Oct-47	2	30							
Trucks Traveling on site	Number of Vehicles	5	66	Sep-47	Oct-47	2	30	0.0021	0.0084	0.0020	0.0003	0.0002	5.9827	0.0001
				Sep-47	Oct-47	2	30							
Deliveries Traveling on site	Number of Vehicles	1	66	Sep-47	Oct-47	2	30	0.0001	0.0002	0.0002	0.0000	0.0000	0.5560	0.0000
				Sep-47	Oct-47	2	30							
Cement Trucks Traveling on site	Number of Vehicles	7	66	Sep-47	Oct-47	2	30	0.0030	0.0118	0.0029	0.0004	0.0003	8.3757	0.0001
				Sep-47	Oct-47	2	30							
Totals								*0.0052*	*0.0204*	*0.0051*	*0.0007*	*0.0005*	*14.9144*	*0.0001*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Excavation - West Entrance														
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
Trucks Traveling on site	Number of Vehicles	33	66	Oct-47	Mar-48	6	100	0.0156	0.0618	0.0149	0.0022	0.0016	43.8729	0.0004
				Oct-47	Mar-48	6	100							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Mar-48	6	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Mar-48	6	100							
Totals								*0.0156*	*0.0618*	*0.0149*	*0.0022*	*0.0016*	*43.8729*	*0.0004*
Excavation - West Entrance - Continued														
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
				Oct-47	Mar-48	6	100							
Trucks Traveling on site	Number of Vehicles	0	66	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Mar-48	6	100							
Deliveries Traveling on site	Number of Vehicles	0	66	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Mar-48	6	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Oct-47	Mar-48	6	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Oct-47	Mar-48	6	100							
Totals								*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*
Cast-in-place station box structure - West Entrance														
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
				Mar-48	Aug-48	6	130							
Trucks Traveling on site	Number of Vehicles	0	66	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Aug-48	6	130							
Deliveries Traveling on site	Number of Vehicles	0	66	Mar-48	Aug-48	6	130	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Mar-48	Aug-48	6	130							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Mar-48	Aug-48	6	130	0.0024	0.0097	0.0024	0.0003	0.0002	6.8866	0.0001
				Mar-48	Aug-48	6	130							
Totals								*0.0024*	*0.0097*	*0.0024*	*0.0003*	*0.0002*	*6.8866*	*0.0001*
MEP and Architectural finish work - West Entrance														
				Sep-48	Jan-49	5	100							
				Sep-48	Jan-49	5	100							
				Sep-48	Jan-49	5	100							
				Sep-48	Jan-49	5	100							
Trucks Traveling on site	Number of Vehicles	0	66	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Jan-49	5	100							
Deliveries Traveling on site	Number of Vehicles	4	66	Sep-48	Jan-49	5	100	0.0004	0.0008	0.0009	0.0001	0.0001	2.9004	0.0000
				Sep-48	Jan-49	5	100							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Sep-48	Jan-49	5	100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Sep-48	Jan-49	5	100							
Totals								*0.0004*	*0.0008*	*0.0009*	*0.0001*	*0.0001*	*2.9004*	*0.0000*
Backfill - West Entrance														
				Jan-49	Feb-49	2	27							
				Jan-49	Feb-49	2	27							
				Jan-49	Feb-49	2	27							
				Jan-49	Feb-49	2	27							
Trucks Traveling on site	Number of Vehicles	67	66	Jan-49	Feb-49	2	27	0.0244	0.1011	0.0246	0.0036	0.0025	71.6416	0.0007
				Jan-49	Feb-49	2	27							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	27							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-49	Feb-49	2	27	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-49	Feb-49	2	27							
Totals								*0.0244*	*0.1011*	*0.0246*	*0.0036*	*0.0025*	*71.6416*	*0.0007*

Construction Equipment	Tier	Actual Equipment Rated HP (2) hp/hr	Type of Fuel	Number of Units	Average Daily Load Factor	Average Daily Utilization Rate	Average Work Hours per Day (hours)	Total Utilized Equipment Operating Hours per Day	Operating Hours per Day (all equipment)	Start Date	End Date	Construction Activity Months of Activity	Construction Activity Days of Activity	Estimated Average Pollutant Monthly Emissions CO tons	NOx tons	PM10 tons	PM2.5 tons	VOC tons	CO2 tons	SO2 tons
Surface Restoration - West Entrance																				
Crane-300	Tier 4	285	Diesel	2	0.29	0.25	8	2	4	2/25/2049	5/10/2049	4	53	0.013	0.001	0.000	0.000	0.000	8.8	0.000
Tractor/Loader/Backhoe-300	Tier 4	200	Diesel	2	0.37	0.25	8	2	4	2/25/2049	5/10/2049	4	53	0.011	0.001	0.000	0.000	0.000	6.0	0.000
Roller -300	Fleet Average	210	Diesel	2	0.31	0.25	8	2	4	2/25/2049	5/10/2049	4	53	0.014	0.003	0.000	0.000	0.002	6.4	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	2	0.38	0.25	8	2	4	2/25/2049	5/10/2049	4	53	0.013	0.003	0.000	0.000	0.002	6.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	2/25/2049	5/10/2049	4	53	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*8*										*0.051*	*0.008*	*0.000*	*0.000*	*0.004*	*27*	*0.000*
Cast-in-place station cavern structure - Station & Crossovers																				
Crane-300	Tier 4	285	Diesel	1	0.29	0.25	8	2	2	1/15/2047	1/13/2048	13	260	0.009	0.001	0.000	0.000	0.000	6.6	0.000
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/15/2047	1/13/2048	13	260	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Other Material Handling Equipment-	Fleet Average	150	Electric	1	0.34	0.50	8	4	4	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	1.7	0.000
Boom Truck-300	Tier 4	200	Diesel	1	0.34	0.50	8	4	4	1/15/2047	1/13/2048	13	260	0.016	0.002	0.000	0.000	0.000	8.9	0.000
Other Construction Equipment-100	Fleet Average	100	Electric	2	0.38	1.00	16	16	32	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	9.3	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/15/2047	1/13/2048	13	260	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/15/2047	1/13/2048	13	260	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*7*										*0.051*	*0.004*	*0.000*	*0.000*	*0.001*	*38*	*0.000*
MEP and Architectural finish work - Station & Crossovers																				
Crane-175	Tier 4	160	Diesel	1	0.29	0.50	8	4	4	1/14/2048	3/8/2049	15	300	0.015	0.001	0.000	0.000	0.000	7.9	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	1/14/2048	3/8/2049	15	300	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Off-Highway Truck-300	Fleet Average	200	Diesel	1	0.38	0.25	8	2	2	1/14/2048	3/8/2049	15	300	0.010	0.002	0.000	0.000	0.002	4.5	0.000
Telehandler-175	Tier 4	142	Diesel	1	0.46	0.25	8	2	2	1/14/2048	3/8/2049	15	300	0.011	0.001	0.000	0.000	0.000	3.2	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Electric	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
None-0	Fleet Average	0	Diesel	0	1.00	1.00	8	8	0	1/14/2048	3/8/2049	15	300	0.000	0.000	0.000	0.000	0.000	0.0	0.000
Construction Equipment Total				*4*										*0.046*	*0.006*	*0.000*	*0.000*	*0.004*	*20*	*0.000*

On-Site Dirt Handling, Hauling and Truck Trips	Units	Value	Demo Amount / Material / Size of Truck (cy) / Road Type	Hours of Idle per day or Miles traveled per day	Start Date	End Date	Construction Activity Duration: Months of Activity	Construction Activity Duration: Days of Activity	Estimated Pollutant Monthly Emissions (Tons/Month): CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Feb-49	May-49	4	53			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	8	Dirt		Feb-49	May-49	4	53			0.0149	0.0088			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Feb-49	May-49	4	53			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	6		0.50	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	6	Paved	0.60	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0094	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0149*	*0.0088*	*0.0000*	*0.0096*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-47	Jan-48	13	260			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-47	Jan-48	13	260			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-47	Jan-48	13	260			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	0		0.00	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks - idling	Number of Vehicles	4		0.33	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0030	0.0000
Cement Trucks Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-47	Jan-48	13	260	0.0000	0.0001	0.0000	0.0000	0.0000	0.0182	0.0000
				0.00	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0001*	*0.0000*	*0.0000*	*0.0000*	*0.0212*	*0.0000*
MEP and Architectural finish work - Station & Crossovers															
Demolition - enter area to be demolished	Square Footage to be demolished	0	0		Jan-48	Mar-49	15	300			0.0000	0.0000			
Bulldozing (includes grading, excavating and trenching)	Hours of activity per day	0	Dirt		Jan-48	Mar-49	15	300			0.0000	0.0000			
Truck Loading Dust	Tons of material being loaded per day	0	Dirt		Jan-48	Mar-49	15	300			0.0000	0.0000			
Truck Loading on site - idling	Number of Vehicles	0	12	0.00	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Deliveries on site - idling	Number of Vehicles	4		0.33	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0000
Deliveries Traveling on site	Number of Vehicles	4	Paved	0.40	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0096	0.0000
Cement Trucks - idling	Number of Vehicles	0		0.00	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Cement Trucks Traveling on site	Number of Vehicles	0	Paved	0.00	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				0.00	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Totals									*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0000*	*0.0099*	*0.0000*

Off-Site Hauling and Truck Trips	Units	Quantity	Miles Traveled	Start Date	End Date	Construction Activity Duration		Estimated Pollutant Monthly Emissions (Tons/Month)						
						Months of Activity	Days of Activity	CO	NOx	PM10	PM2.5	TOG	CO_2	SO_2
Surface Restoration - West Entrance														
				Feb-49	May-49	4	53							
				Feb-49	May-49	4	53							
				Feb-49	May-49	4	53							
				Feb-49	May-49	4	53							
Trucks Traveling on site	Number of Vehicles	0	66	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	May-49	4	53							
Deliveries Traveling on site	Number of Vehicles	6	66	Feb-49	May-49	4	53	0.0004	0.0008	0.0009	0.0001	0.0001	2.8269	0.0000
				Feb-49	May-49	4	53							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Feb-49	May-49	4	53	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Feb-49	May-49	4	53							
Totals								*0.0004*	*0.0008*	*0.0009*	*0.0001*	*0.0001*	*2.8269*	*0.0000*
Cast-in-place station cavern structure - Station & Crossovers														
				Jan-47	Jan-48	13	260							
				Jan-47	Jan-48	13	260							
				Jan-47	Jan-48	13	260							
				Jan-47	Jan-48	13	260							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Jan-48	13	260							
Deliveries Traveling on site	Number of Vehicles	0	66	Jan-47	Jan-48	13	260	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-47	Jan-48	13	260							
Cement Trucks Traveling on site	Number of Vehicles	4	66	Jan-47	Jan-48	13	260	0.0023	0.0090	0.0022	0.0003	0.0002	6.3815	0.0001
				Jan-47	Jan-48	13	260							
Totals								*0.0023*	*0.0090*	*0.0022*	*0.0003*	*0.0002*	*6.3815*	*0.0001*
MEP and Architectural finish work - Station & Crossovers														
				Jan-48	Mar-49	15	300							
				Jan-48	Mar-49	15	300							
				Jan-48	Mar-49	15	300							
				Jan-48	Mar-49	15	300							
Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Mar-49	15	300							
Deliveries Traveling on site	Number of Vehicles	4	66	Jan-48	Mar-49	15	300	0.0004	0.0008	0.0009	0.0001	0.0001	2.9004	0.0000
				Jan-48	Mar-49	15	300							
Cement Trucks Traveling on site	Number of Vehicles	0	66	Jan-48	Mar-49	15	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
				Jan-48	Mar-49	15	300							
Totals								*0.0004*	*0.0008*	*0.0009*	*0.0001*	*0.0001*	*2.9004*	*0.0000*

K Line Northern Extension
EMFAC Emission Rates

Worker

5 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.034695	0.919517	0.036071	529.5572	0.009864	0.005488	0.005235
2042	0.033309	0.90963	0.034958	527.4052	0.009756	0.00539	0.005214
2043	0.032243	0.901835	0.034021	525.6201	0.009665	0.005308	0.005196
2044	0.031529	0.896338	0.033279	524.1529	0.009589	0.005239	0.005181
2045	0.031079	0.892486	0.032642	522.9086	0.009526	0.005181	0.005169
2046	0.030729	0.889394	0.032151	521.9013	0.009474	0.005134	0.005159
2047	0.030428	0.886682	0.031718	521.0571	0.009432	0.005096	0.005151
2048	0.030172	0.884435	0.031332	520.3559	0.009398	0.005065	0.005144
2049	0.030115	0.883608	0.031305	519.7638	0.009377	0.005046	0.005138
2050	0.030071	0.883055	0.031284	519.273	0.00936	0.00503	0.005133
2051	0.030071	0.883055	0.031284	519.273	0.00936	0.00503	0.005133

30 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.005886	0.584973	0.021204	225.3118	0.013002	0.004901	0.002227
2042	0.005636	0.579011	0.020582	224.4176	0.01298	0.004883	0.002218
2043	0.005446	0.574279	0.020052	223.6763	0.012962	0.004868	0.002211
2044	0.005321	0.570897	0.019626	223.0677	0.012947	0.004856	0.002205
2045	0.005246	0.568463	0.01925	222.5522	0.012935	0.004845	0.0022
2046	0.005187	0.56651	0.018961	222.1354	0.012925	0.004837	0.002196
2047	0.005136	0.564795	0.018705	221.7866	0.012917	0.00483	0.002192
2048	0.005093	0.563376	0.018478	221.4972	0.012911	0.004825	0.00219
2049	0.005084	0.562855	0.018461	221.2534	0.012908	0.004822	0.002187
2050	0.005076	0.562508	0.018449	221.0516	0.012905	0.004819	0.002185
2051	0.005076	0.562508	0.018449	221.0516	0.012905	0.004819	0.002185

LHDT

5 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.061715	0.623832	0.184429	766.6499	0.077519	0.03461	0.00744
2042	0.0593635	0.605437	0.17426	743.511	0.076432	0.03398	0.007215
2043	0.0574239	0.588761	0.166075	722.711	0.075467	0.033429	0.007012
2044	0.0554067	0.572671	0.157538	703.5558	0.074534	0.03288	0.006826
2045	0.0536355	0.557968	0.150107	685.9899	0.073687	0.032386	0.006655
2046	0.0519322	0.54425	0.142963	670.0376	0.072892	0.031912	0
2047	0.0505442	0.532009	0.137315	655.6877	0.072183	0.031494	0.00636
2048	0.0492058	0.520686	0.131854	642.4658	0.071522	0.0311	0.006231
2049	0.0478365	0.510209	0.126371	630.6861	0.07087	0.03069	0.006117
2050	0.04645	0.500384	0.120822	620.2687	0.070244	0.030281	0.006015
2051	0.04645	0.500384	0.120822	620.2687	0.070244	0.030281	0.006015

30 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.0322251	0.181537	0.086198	370.2827	0.070901	0.028293	0.003591
2042	0.0312345	0.176004	0.07999	359.3349	0.070058	0.027897	0.003484
2043	0.030382	0.171027	0.075313	349.4586	0.069298	0.027542	0.003388
2044	0.0295317	0.166185	0.069878	340.3854	0.068582	0.0272	0.0033
2045	0.0287757	0.161724	0.065247	332.0716	0.067928	0.026889	0.003219
2046	0.0280514	0.157552	0.060691	324.5175	0.067322	0.026595	0.003146
2047	0.0274305	0.153866	0.057378	317.703	0.066774	0.026331	0.00308
2048	0.0268516	0.150429	0.053938	311.454	0.06627	0.026087	0.003019
2049	0.0262235	0.147233	0.051313	305.8589	0.065788	0.025839	0.002964
2050	0.0255932	0.144239	0.048592	300.8988	0.06534	0.025601	0.002916
2051	0.0255932	0.144239	0.048592	300.8988	0.06534	0.025601	0.002916

MHDT

5 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.08594	0.254155	0.939483	1366.297	0.051862839	0.020083521	0.012835
2042	0.081762	0.241544	0.889541	1311.494	0.051010717	0.019628335	0.012317
2043	0.078039	0.229961	0.845357	1262.544	0.050264711	0.019236583	0.011853
2044	0.074678	0.219839	0.806791	1218.987	0.04959588	0.018883714	0.011441
2045	0.072123	0.211438	0.775079	1180.766	0.049084593	0.018645775	0.01108
2046	0.069918	0.204265	0.748282	1147.267	0.048641096	0.018440899	0.010763
2047	0.068073	0.197954	0.725189	1118.109	0.048256737	0.018263665	0.010488
2048	0.066345	0.192768	0.705999	1092.939	0.047931752	0.018116278	0.010251
2049	0.064728	0.187784	0.690083	1071.302	0.047654512	0.017990638	0.010047
2050	0.06337	0.182511	0.676538	1052.637	0.047416833	0.017882536	0.009871
2051	0.06337	0.182511	0.676538	1052.637	0.047416833	0.017882536	0.009871

30 mph

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.011976	0.086119	0.207774	619.7965	0.036065942	0.013196072	0.005831
2042	0.011398	0.081385	0.193749	595.4219	0.035575493	0.012985996	0.0056
2043	0.010878	0.076955	0.181457	573.666	0.035139362	0.012800454	0.005394
2044	0.010407	0.073108	0.170702	554.299	0.034750357	0.012634834	0.005211
2045	0.010032	0.069888	0.16202	537.3044	0.034421698	0.012501168	0.00505
2046	0.009707	0.067182	0.154784	522.4193	0.034135227	0.012384968	0.004909
2047	0.009433	0.064823	0.148559	509.4803	0.033886589	0.012284127	0.004787
2048	0.009169	0.06297	0.143458	498.3309	0.033673351	0.012197741	0.004682
2049	0.008916	0.061041	0.139254	488.7679	0.033492012	0.012124636	0.004591
2050	0.008702	0.058762	0.135632	480.5375	0.033336893	0.012061989	0.004514
2051	0.008702	0.058762	0.135632	480.5375	0.033336893	0.012061989	0.004514

idle

	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/hour	g/hour	g/hour	g/hour	g/hour	g/hour	g/hour
2041	0.016073	0.220976	0.146577	42.94541	7.14152E-05	6.79548E-05	0.000386
2042	0.01536	0.21308	0.139472	41.38111	6.64571E-05	6.32216E-05	0.000372
2043	0.014711	0.205964	0.13326	39.97951	6.27634E-05	5.96975E-05	0.000359
2044	0.014122	0.199565	0.127804	38.72693	5.94015E-05	5.64905E-05	0.000348
2045	0.013598	0.193904	0.123182	37.63034	5.73246E-05	5.45123E-05	0.000338
2046	0.013119	0.188889	0.119266	36.67012	5.56022E-05	5.28727E-05	0.00033
2047	0.012685	0.184462	0.115959	35.83335	5.4152E-05	5.14933E-05	0.000322
2048	0.012293	0.18058	0.113209	35.11423	5.29565E-05	5.03571E-05	0.000316
2049	0.011939	0.177178	0.111001	34.50173	5.19978E-05	4.9447E-05	0.000311
2050	0.011622	0.174199	0.109171	33.97835	5.11808E-05	4.8672E-05	0.000306
2051	0.011622	0.174199	0.109171	33.97835	5.11808E-05	4.8672E-05	0.000306

HHDT

5 mph	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.314739	2.333511	8.297964	2170.926	0.150074	0.058088507	0.019128
2042	0.30275	2.251378	8.233832	2145.026	0.149784	0.057925681	0.018941
2043	0.292196	2.176715	8.181704	2123.031	0.149515	0.057777573	0.018788
2044	0.282577	2.108469	8.13744	2104.109	0.149268	0.057639873	0.018659
2045	0.274021	2.044715	8.103714	2087.942	0.149059	0.057526095	0.018554
2046	0.265749	1.986264	8.077882	2074.283	0.148885	0.057431946	0.018468
2047	0.257873	1.928838	8.060169	2062.702	0.148737	0.057352921	0.018401
2048	0.250479	1.876382	8.048455	2052.572	0.148631	0.057305142	0.018344
2049	0.242854	1.827362	8.040995	2044.044	0.148547	0.057269859	0.0183
2050	0.237034	1.780525	8.036727	2036.769	0.148475	0.057240587	0.018266
2051	0.237034	1.780525	8.036727	2036.769	0.148475	0.057240587	0.018266

30 mph	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi	g/mi
2041	0.050408	0.469435	1.609643	1145.092	0.135487	0.049953094	0.010363
2042	0.048404	0.453495	1.593598	1133.078	0.135259	0.049845729	0.010268
2043	0.046647	0.438831	1.58014	1123.02	0.135049	0.049749502	0.01019
2044	0.045026	0.425393	1.567822	1114.47	0.13486	0.049663921	0.010126
2045	0.043571	0.412814	1.558029	1107.311	0.134696	0.049591466	0.010073
2046	0.042177	0.401288	1.550049	1101.358	0.134558	0.049530851	0.010031
2047	0.04085	0.390146	1.544227	1096.442	0.134439	0.049478746	0.009998
2048	0.039581	0.379973	1.540019	1092.209	0.134337	0.049435247	0.00997
2049	0.038301	0.370474	1.537058	1088.701	0.134252	0.049399043	0.009949
2050	0.037259	0.361415	1.535028	1085.77	0.134177	0.049367585	0.009932
2051	0.037259	0.361415	1.535028	1085.77	0.134177	0.049367585	0.009932

idle	TOG	CO	Nox	CO2	PM10	PM2.5	SO2
	g/hour	g/hour	g/hour	g/hour	g/hour	g/hour	g/hour
2041	0.259478	3.096075	2.042429	402.2736	0.000928	0.000886449	0.003692
2042	0.259746	3.108517	2.045472	402.393	0.000928	0.000886458	0.003696
2043	0.260232	3.122954	2.05087	403.0032	0.000929	0.000887623	0.003706
2044	0.260956	3.139457	2.05821	404.0471	0.000931	0.000889063	0.003719
2045	0.261776	3.156848	2.067239	405.3685	0.000933	0.000891177	0.003735
2046	0.262714	3.174966	2.07747	406.911	0.000936	0.000893778	0.003752
2047	0.263707	3.193268	2.088644	408.5826	0.000939	0.000896907	0.00377
2048	0.264718	3.211359	2.100175	410.3194	0.000943	0.000900466	0.003789
2049	0.265727	3.228899	2.111806	412.0768	0.000947	0.000904231	0.003808
2050	0.266754	3.246001	2.123157	413.8347	0.00095	0.000907792	0.003827
2051	0.266754	3.246001	2.123157	413.8347	0.00095	0.000907792	0.003827

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Los Angeles
Calendar Year: 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, g/mile for RUNEX, PMBW and PMTW, mph for Speed, kWh/mile for Energy Consumption, gallon/mile for Fuel Consumption. PHEV calculated based on total VMT.

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2041-HHDT-5	Los Angeles	2041	HHDT	Aggregate	5	Gasoline	0.162161904	0.162161904	0	3.972396705	0.007107649	0.007730217	3932.47242
2041-HHDT-5	Los Angeles	2041	HHDT	Aggregate	5	Diesel	709.4203098	709.4203098	0	10.03052266	0.010408781	0.01087942	2456.883165
2041-HHDT-5	Los Angeles	2041	HHDT	Aggregate	5	Electricity	132.1501362	0	132.1501362	0	0	0	0
2041-HHDT-5	Los Angeles	2041	HHDT	Aggregate	5	Natural Gas	40.74964084	40.74964084	0	1.449704925	0.00605652	0.006587018	4161.653138
2041-HHDT-30	Los Angeles	2041	HHDT	Aggregate	30	Gasoline	74.3824385	74.3824385	0	2.310424605	0.001195933	0.001300686	1665.315638
2041-HHDT-30	Los Angeles	2041	HHDT	Aggregate	30	Diesel	399398.1562	399398.1562	0	1.941512242	0.004756829	0.004971912	1331.085907
2041-HHDT-30	Los Angeles	2041	HHDT	Aggregate	30	Electricity	70622.92134	0	70622.92134	0	0	0	0
2041-HHDT-30	Los Angeles	2041	HHDT	Aggregate	30	Natural Gas	20693.23689	20693.23689	0	0.371658493	0.002352386	0.002558434	1399.63656
2041-LDA-5	Los Angeles	2041	LDA	Aggregate	5	Gasoline	131047.1903	131047.1903	0	0.035390972	0.003609522	0.003925684	548.5665167
2041-LDA-5	Los Angeles	2041	LDA	Aggregate	5	Diesel	81.4283368	81.4283368	0	0.06554564	0.004468273	0.004670309	470.9218778
2041-LDA-5	Los Angeles	2041	LDA	Aggregate	5	Electricity	389438.7915	0	389438.7915	0	0	0	0
2041-LDA-5	Los Angeles	2041	LDA	Aggregate	5	Plug-in Hybrid	44629.4583	2563.608296	42065.85	0.001402671	0.000208247	0.000226487	48.12444702
2041-LDA-30	Los Angeles	2041	LDA	Aggregate	30	Gasoline	19259220.34	19259220.34	0	0.020849253	0.00060791	0.000661157	228.8664776
2041-LDA-30	Los Angeles	2041	LDA	Aggregate	30	Diesel	11972.30523	11972.30523	0	0.025571242	0.001902634	0.001988662	192.220852
2041-LDA-30	Los Angeles	2041	LDA	Aggregate	30	Electricity	2231269.503	0	2231269.503	0	0	0	0
2041-LDA-30	Los Angeles	2041	LDA	Aggregate	30	Plug-in Hybrid	855702.547	376738.3338	478964.2132	0.003430636	0.000268805	0.00029235	147.5209386
2041-LDT1-5	Los Angeles	2041	LDT1	Aggregate	5	Gasoline	11495.39603	11495.39603	0	0.051105741	0.004304756	0.004681815	646.2868696
2041-LDT1-5	Los Angeles	2041	LDT1	Aggregate	5	Diesel	0.125077309	0.125077309	0	0.152490185	0.009124035	0.009536584	848.4489148
2041-LDT1-5	Los Angeles	2041	LDT1	Aggregate	5	Electricity	6857.795049	0	6857.795049	0	0	0	0
2041-LDT1-5	Los Angeles	2041	LDT1	Aggregate	5	Plug-in Hybrid	1728.392666	98.43419856	1629.958468	0.001389968	0.000186232	0.000202544	47.71286048
2041-LDT1-30	Los Angeles	2041	LDT1	Aggregate	30	Gasoline	1687628.529	1687628.529	0	0.02979881	0.000726017	0.00078961	269.7672134
2041-LDT1-30	Los Angeles	2041	LDT1	Aggregate	30	Diesel	18.36088076	18.36088076	0	0.035795738	0.004819226	0.00503713	352.7479309
2041-LDT1-30	Los Angeles	2041	LDT1	Aggregate	30	Electricity	39291.38362	0	39291.38362	0	0	0	0
2041-LDT1-30	Los Angeles	2041	LDT1	Aggregate	30	Plug-in Hybrid	33008.40699	14449.60513	18558.80185	0.003409892	0.000241027	0.000262139	146.6614699
2041-LDT2-5	Los Angeles	2041	LDT2	Aggregate	5	Gasoline	87420.59999	87420.59999	0	0.046772095	0.003738212	0.004065646	660.2426599
2041-LDT2-5	Los Angeles	2041	LDT2	Aggregate	5	Diesel	330.1816939	330.1816939	0	0.152261788	0.00907726	0.009487693	630.832931
2041-LDT2-5	Los Angeles	2041	LDT2	Aggregate	5	Electricity	50593.8562	0	50593.8562	0	0	0	0
2041-LDT2-5	Los Angeles	2041	LDT2	Aggregate	5	Plug-in Hybrid	16451.18709	943.232933	15507.95416	0.001399336	0.000195843	0.000212997	48.03259472
2041-LDT2-30	Los Angeles	2041	LDT2	Aggregate	30	Gasoline	12833110.11	12833110.11	0	0.027410109	0.000629733	0.000684892	275.6767874
2041-LDT2-30	Los Angeles	2041	LDT2	Aggregate	30	Diesel	48469.5817	48469.5817	0	0.035597637	0.004801126	0.005018211	262.2732634
2041-LDT2-30	Los Angeles	2041	LDT2	Aggregate	30	Electricity	289874.894	0	289874.894	0	0	0	0
2041-LDT2-30	Los Angeles	2041	LDT2	Aggregate	30	Plug-in Hybrid	315035.3961	138460.9287	176574.4675	0.003423549	0.000252776	0.000274917	147.2441139
2041-LHDT1-5	Los Angeles	2041	LHDT1	Aggregate	5	Gasoline	829.1918518	829.1918518	0	0.031268418	0.002144869	0.002332741	1322.637068
2041-LHDT1-5	Los Angeles	2041	LHDT1	Aggregate	5	Diesel	387.8953885	387.8953885	0	0.54683056	0.035404088	0.037004904	1091.277556
2041-LHDT1-5	Los Angeles	2041	LHDT1	Aggregate	5	Electricity	779.7230874	0	779.7230874	0	0	0	0
2041-LHDT1-30	Los Angeles	2041	LHDT1	Aggregate	30	Gasoline	308309.8507	308309.8507	0	0.019924178	0.000935697	0.001017656	620.7760347
2041-LHDT1-30	Los Angeles	2041	LHDT1	Aggregate	30	Diesel	183154.8905	183154.8905	0	0.242711331	0.016592365	0.017342598	546.0230706
2041-LHDT1-30	Los Angeles	2041	LHDT1	Aggregate	30	Electricity	314385.0625	0	314385.0625	0	0	0	0
2041-LHDT2-5	Los Angeles	2041	LHDT2	Aggregate	5	Gasoline	112.7884888	112.7884888	0	0.035405975	0.002047441	0.002226779	1495.046595
2041-LHDT2-5	Los Angeles	2041	LHDT2	Aggregate	5	Diesel	179.3525744	179.3525744	0	0.685780142	0.042709091	0.044640207	1272.570731
2041-LHDT2-5	Los Angeles	2041	LHDT2	Aggregate	5	Electricity	175.8063039	0	175.8063039	0	0	0	0
2041-LHDT2-30	Los Angeles	2041	LHDT2	Aggregate	30	Gasoline	41931.55835	41931.55835	0	0.023394056	0.000913776	0.000993815	702.4816598

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2041-HHDT-5	0.526371392	0.189954278	2.325543946	3.393428267	59.23913027	0.038876493	0.045	0.149033134	0.052161597	0.457100044	0
2041-HHDT-5	0.005078412	0.387082943	0.109336814	0.12447164	0.894122537	0.023265214	0.219348388	0.149928902	0.052475116	0.24192684	0
2041-HHDT-5	0	0	0	0	0	0	0	0.077907333	0.027267566	0	5.90886243
2041-HHDT-5	5.666292126	0.848380217	0.136015739	5.845592958	43.87909259	0	0.79534638	0.182004784	0.063701675	0.530237635	0
2041-HHDT-30	0.088637152	0.110448842	0.391889766	0.571844626	38.14085009	0.016463341	0.045	0.138687778	0.048540722	0.193571822	0
2041-HHDT-30	0.000470202	0.209713127	0.01012332	0.011524629	0.124032998	0.012604588	0.219416213	0.139513131	0.048829596	0.131070704	0
2041-HHDT-30	0	0	0	0	0	0	0	0.072718368	0.025451429	0	1.5235044
2041-HHDT-30	1.097305972	0.285325069	0.021696504	1.126737878	10.00659108	0	0.817283718	0.174099303	0.060934756	0.178328168	0
2041-LDA-5	0.007356117	0.005637431	0.022046285	0.032169887	0.947093266	0.005423139	0.041730651	0.005930389	0.002075636	0.0637639	0
2041-LDA-5	0.004842845	0.074193934	0.104263596	0.118697172	2.99501207	0.004462224	0.0031	0.005965267	0.002087843	0.046371209	0
2041-LDA-5	0	0	0	0	0	0	0	0.001331848	0.000466147	0	0.694460555
2041-LDA-5	0.000470675	0.000236912	0.001540601	0.002248041	0.121772161	0.000475759	0.002407092	0.001332408	0.000466343	0.005593857	0.491204285
2041-LDA-30	0.001235178	0.003321877	0.003702512	0.005402697	0.599823391	0.002262578	0.041730178	0.012208016	0.004272805	0.026602825	0
2041-LDA-30	0.000339008	0.030284474	0.007298648	0.008309026	0.199056904	0.00182139	0.0031	0.012280123	0.004298043	0.018927796	0
2041-LDA-30	0	0	0	0	0	0	0	0.005207224	0.001822528	0	0.365797645
2041-LDA-30	0.000535229	0.000579555	0.001751682	0.002556051	0.248680071	0.001458395	0.018449199	0.005209977	0.001823492	0.017147438	0.158409329
2041-LDT1-5	0.01016587	0.006791102	0.033698286	0.049172459	1.139632558	0.006389204	0.041024796	0.008393184	0.002937614	0.075122652	0
2041-LDT1-5	0.012360552	0.133673472	0.266115407	0.302954698	2.768739994	0.008039485	0.0031	0.008219535	0.002876837	0.08354592	0
2041-LDT1-5	0	0	0	0	0	0	0	0.001332109	0.000466238	0	0.694460555
2041-LDT1-5	0.000467178	0.000235233	0.001527525	0.002228961	0.120719895	0.00047169	0.002391954	0.001332489	0.000466371	0.005546015	0.491460046
2041-LDT1-30	0.001735845	0.003981602	0.005791351	0.008450726	0.718319398	0.002666924	0.041024374	0.015025607	0.005258962	0.031357017	0
2041-LDT1-30	0.000798047	0.05557558	0.017181491	0.019559985	0.178761796	0.003342466	0.0031	0.014714537	0.005150088	0.034734738	0
2041-LDT1-30	0	0	0	0	0	0	0	0.005208245	0.001822886	0	0.365797645
2041-LDT1-30	0.000532704	0.000577149	0.001741641	0.002541398	0.247136688	0.001449898	0.018385723	0.005209851	0.001823448	0.017047536	0.159120408
2041-LDT2-5	0.010197673	0.00640972	0.032265313	0.047081468	1.140167065	0.006527171	0.041694536	0.008234377	0.002882032	0.076744835	0
2041-LDT2-5	0.012348155	0.099387985	0.2658485	0.302650843	2.759328424	0.005977463	0.0031	0.008210356	0.002873625	0.062117491	0
2041-LDT2-5	0	0	0	0	0	0	0	0.001332272	0.000466295	0	0.694460555
2041-LDT2-5	0.000469084	0.000235582	0.001537824	0.002243989	0.121518241	0.000474851	0.002407999	0.001333037	0.000466563	0.00558318	0.491259951
2041-LDT2-30	0.00172104	0.003769203	0.005460698	0.007968237	0.720604088	0.002725346	0.041694333	0.014741141	0.005159399	0.03204393	0
2041-LDT2-30	0.000796878	0.041321259	0.01715631	0.019531318	0.178073017	0.002485172	0.0031	0.014698126	0.005144344	0.025825787	0
2041-LDT2-30	0	0	0	0	0	0	0	0.005208884	0.001823109	0	0.365797645
2041-LDT2-30	0.000533424	0.000576436	0.001748618	0.00255158	0.248100032	0.001455658	0.018458755	0.005212187	0.001824266	0.017115261	0.158624062
2041-LHDT1-5	0.003514487	0.002557691	0.01195745	0.017448283	1.397638572	0.013075614	0.045	0.078000022	0.027300008	0.153739784	0
2041-LHDT1-5	0.007290464	0.171931223	0.156959398	0.178687839	0.566036557	0.010340409	0.21673018	0.078000022	0.027300008	0.107457015	0
2041-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2041-LHDT1-30	0.000787377	0.001676753	0.002642272	0.003855597	0.373663367	0.006137003	0.045	0.078000022	0.027300008	0.072157341	0
2041-LHDT1-30	0.00405124	0.086026157	0.087220803	0.099295086	0.198783827	0.005173846	0.216824607	0.078000022	0.027300008	0.053766348	0
2041-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2041-LHDT2-5	0.003247744	0.003170776	0.010893161	0.015895275	1.417296603	0.014780058	0.045	0.091000026	0.031850009	0.173780205	0
2041-LHDT2-5	0.008818237	0.200494037	0.189851448	0.216133252	0.68412513	0.012058254	0.214769417	0.091000026	0.031850009	0.125308773	0
2041-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2041-LHDT2-30	0.000735355	0.002141617	0.002440347	0.003560948	0.377202152	0.006944746	0.045	0.091000026	0.031850009	0.081654583	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2041-LHDT2-30	Los Angeles	2041	LHDT2	Aggregate	30	Diesel	84633.59885	84633.59885	0	0.329579434	0.019779713	0.020674064	635.8736249
2041-LHDT2-30	Los Angeles	2041	LHDT2	Aggregate	30	Electricity	76369.49332	0	76369.49332	0	0	0	0
2041-MHDT-5	Los Angeles	2041	MHDT	Aggregate	5	Gasoline	257.8219398	257.8219398	0	0.154766797	0.007034023	0.007650142	3402.100286
2041-MHDT-5	Los Angeles	2041	MHDT	Aggregate	5	Diesel	1478.088097	1478.088097	0	1.907107737	0.004958236	0.005182426	2154.624441
2041-MHDT-5	Los Angeles	2041	MHDT	Aggregate	5	Electricity	1290.479446	0	1290.479446	0	0	0	0
2041-MHDT-5	Los Angeles	2041	MHDT	Aggregate	5	Natural Gas	27.34274477	27.34274477	0	0.327013322	0.004332211	0.004711674	2451.642896
2041-MHDT-30	Los Angeles	2041	MHDT	Aggregate	30	Gasoline	38016.53989	38016.53989	0	0.090130071	0.001184299	0.001288033	1423.989483
2041-MHDT-30	Los Angeles	2041	MHDT	Aggregate	30	Diesel	212591.0927	212591.0927	0	0.411419004	0.001625756	0.001699265	1002.04714
2041-MHDT-30	Los Angeles	2041	MHDT	Aggregate	30	Electricity	185185.4484	0	185185.4484	0	0	0	0
2041-MHDT-30	Los Angeles	2041	MHDT	Aggregate	30	Natural Gas	4186.058273	4186.058273	0	0.080570344	0.001572632	0.00171038	968.9618431
2042-HHDT-5	Los Angeles	2042	HHDT	Aggregate	5	Gasoline	0.156043361	0.156043361	0	3.853720008	0.007121874	0.007745688	3915.276682
2042-HHDT-5	Los Angeles	2042	HHDT	Aggregate	5	Diesel	723.5355614	723.5355614	0	10.00049679	0.010344513	0.010812246	2443.202755
2042-HHDT-5	Los Angeles	2042	HHDT	Aggregate	5	Electricity	140.1537606	0	140.1537606	0	0	0	0
2042-HHDT-5	Los Angeles	2042	HHDT	Aggregate	5	Natural Gas	40.15267044	40.15267044	0	1.366688687	0.00606195	0.006592924	4140.893378
2042-HHDT-30	Los Angeles	2042	HHDT	Aggregate	30	Gasoline	71.53185835	71.53185835	0	2.241004247	0.001198502	0.00130348	1657.958627
2042-HHDT-30	Los Angeles	2042	HHDT	Aggregate	30	Diesel	407543.1174	407543.1174	0	1.931572792	0.004727882	0.004941656	1324.480663
2042-HHDT-30	Los Angeles	2042	HHDT	Aggregate	30	Electricity	74866.55844	0	74866.55844	0	0	0	0
2042-HHDT-30	Los Angeles	2042	HHDT	Aggregate	30	Natural Gas	20424.66634	20424.66634	0	0.352231925	0.002348993	0.002554745	1395.146616
2042-LDA-5	Los Angeles	2042	LDA	Aggregate	5	Gasoline	130517.4766	130517.4766	0	0.03483142	0.003505214	0.00381224	546.8937159
2042-LDA-5	Los Angeles	2042	LDA	Aggregate	5	Diesel	79.74699595	79.74699595	0	0.061496708	0.003997243	0.00417798	467.6433543
2042-LDA-5	Los Angeles	2042	LDA	Aggregate	5	Electricity	390520.9471	0	390520.9471	0	0	0	0
2042-LDA-5	Los Angeles	2042	LDA	Aggregate	5	Plug-in Hybrid	44551.45013	2547.927962	42003.52217	0.001396535	0.000201223	0.000218849	47.91400719
2042-LDA-30	Los Angeles	2042	LDA	Aggregate	30	Gasoline	19181439.8	19181439.8	0	0.020522276	0.000590316	0.000642022	228.1667285
2042-LDA-30	Los Angeles	2042	LDA	Aggregate	30	Diesel	11724.09108	11724.09108	0	0.0232324	0.001715738	0.001793316	190.878318
2042-LDA-30	Los Angeles	2042	LDA	Aggregate	30	Electricity	2237469.658	0	2237469.658	0	0	0	0
2042-LDA-30	Los Angeles	2042	LDA	Aggregate	30	Plug-in Hybrid	852689.687	374435.1422	478254.5448	0.003421714	0.000260195	0.000282985	147.1375922
2042-LDT1-5	Los Angeles	2042	LDT1	Aggregate	5	Gasoline	11426.027	11426.027	0	0.047072251	0.004140381	0.004503042	642.5390639
2042-LDT1-5	Los Angeles	2042	LDT1	Aggregate	5	Diesel	0.126422377	0.126422377	0	0.152651645	0.009161884	0.009576144	847.383205
2042-LDT1-5	Los Angeles	2042	LDT1	Aggregate	5	Electricity	7022.999642	0	7022.999642	0	0	0	0
2042-LDT1-5	Los Angeles	2042	LDT1	Aggregate	5	Plug-in Hybrid	1770.865458	100.7908648	1670.074593	0.001389114	0.000184752	0.000200935	47.68171343
2042-LDT1-30	Los Angeles	2042	LDT1	Aggregate	30	Gasoline	1677427.446	1677427.446	0	0.027583335	0.000697778	0.000758897	268.1967725
2042-LDT1-30	Los Angeles	2042	LDT1	Aggregate	30	Diesel	18.55841183	18.55841183	0	0.035746043	0.004843323	0.005062316	352.3048245
2042-LDT1-30	Los Angeles	2042	LDT1	Aggregate	30	Electricity	40237.91483	0	40237.91483	0	0	0	0
2042-LDT1-30	Los Angeles	2042	LDT1	Aggregate	30	Plug-in Hybrid	33811.19699	14795.63061	19015.56638	0.003408653	0.000239173	0.000260122	146.6037157
2042-LDT2-5	Los Angeles	2042	LDT2	Aggregate	5	Gasoline	87270.60395	87270.60395	0	0.044892203	0.003635825	0.003954292	657.8818356
2042-LDT2-5	Los Angeles	2042	LDT2	Aggregate	5	Diesel	330.4223153	330.4223153	0	0.15228727	0.0090841	0.009494843	629.1865778
2042-LDT2-5	Los Angeles	2042	LDT2	Aggregate	5	Electricity	51317.98127	0	51317.98127	0	0	0	0
2042-LDT2-5	Los Angeles	2042	LDT2	Aggregate	5	Plug-in Hybrid	16616.18211	950.692561	15665.48954	0.001396401	0.000192154	0.000208985	47.93103074
2042-LDT2-30	Los Angeles	2042	LDT2	Aggregate	30	Gasoline	12811113.6	12811113.6	0	0.026379087	0.000612344	0.00066598	274.6904677
2042-LDT2-30	Los Angeles	2042	LDT2	Aggregate	30	Diesel	48504.99973	48504.99973	0	0.035555213	0.004806962	0.005024311	261.5886316
2042-LDT2-30	Los Angeles	2042	LDT2	Aggregate	30	Electricity	294023.7313	0	294023.7313	0	0	0	0
2042-LDT2-30	Los Angeles	2042	LDT2	Aggregate	30	Plug-in Hybrid	317924.7523	139556.5777	178368.1745	0.003419285	0.000248227	0.000269969	147.0587794
2042-LHDT1-5	Los Angeles	2042	LHDT1	Aggregate	5	Gasoline	805.8657186	805.8657186	0	0.029471612	0.002132293	0.002319064	1318.408142
2042-LHDT1-5	Los Angeles	2042	LHDT1	Aggregate	5	Diesel	380.0916294	380.0916294	0	0.526461866	0.03487567	0.036452593	1089.659356
2042-LHDT1-5	Los Angeles	2042	LHDT1	Aggregate	5	Electricity	815.6022975	0	815.6022975	0	0	0	0
2042-LHDT1-30	Los Angeles	2042	LHDT1	Aggregate	30	Gasoline	299649.4483	299649.4483	0	0.018888266	0.000936218	0.001018223	619.1285483
2042-LHDT1-30	Los Angeles	2042	LHDT1	Aggregate	30	Diesel	179502.7806	179502.7806	0	0.228412453	0.016431514	0.017174475	545.4264528
2042-LHDT1-30	Los Angeles	2042	LHDT1	Aggregate	30	Electricity	328928.1247	0	328928.1247	0	0	0	0
2042-LHDT2-5	Los Angeles	2042	LHDT2	Aggregate	5	Gasoline	109.5967191	109.5967191	0	0.032900417	0.002041563	0.002220386	1488.619523
2042-LHDT2-5	Los Angeles	2042	LHDT2	Aggregate	5	Diesel	176.0170891	176.0170891	0	0.672078768	0.042620624	0.044547739	1270.744936
2042-LHDT2-5	Los Angeles	2042	LHDT2	Aggregate	5	Electricity	184.462994	0	184.462994	0	0	0	0

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2041-LHDT2-30	0.004799073	0.100182149	0.103321205	0.117624323	0.239116225	0.006025226	0.214911635	0.091000026	0.031850009	0.062613843	0
2041-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2041-MHDT-5	0.018516777	0.013844419	0.071987273	0.10504366	0.431420758	0.033633225	0.045	0.061495877	0.021523557	0.39545101	0
2041-MHDT-5	0.003328987	0.339461958	0.071672173	0.081593313	0.275085654	0.020403005	0.219466958	0.061495877	0.021523557	0.212163724	0
2041-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2041-MHDT-5	3.720507219	0.499783442	0.053158707	3.797050507	8.474862849	0	1.06	0.061495877	0.021523557	0.312364651	0
2041-MHDT-30	0.003113051	0.008051821	0.012115133	0.017678374	0.277505141	0.014077586	0.045	0.044398761	0.015539566	0.165520717	0
2041-MHDT-30	0.000248126	0.157872935	0.005342081	0.006081552	0.052782104	0.009488787	0.219386738	0.044398761	0.015539566	0.098670584	0
2041-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2041-MHDT-30	0.74751217	0.19752921	0.010680474	0.762890998	3.686436583	0	1.06	0.044398761	0.015539566	0.123455757	0
2042-HHDT-5	0.525035898	0.183877248	2.3189698	3.383835289	59.2582649	0.038706496	0.045	0.149415848	0.052295547	0.455101257	0
2042-HHDT-5	0.005060585	0.384927589	0.108953009	0.124034707	0.891062515	0.023135669	0.219434119	0.150174952	0.052561233	0.240579743	0
2042-HHDT-5	0	0	0	0	0	0	0	0.077931378	0.027275982	0	5.90886243
2042-HHDT-5	5.574333584	0.844148204	0.128499905	5.744676509	43.34404718	0	0.798678348	0.181753406	0.063613692	0.527592627	0
2042-HHDT-30	0.088407477	0.106895471	0.39075758	0.570192543	38.15264218	0.016390609	0.045	0.139044526	0.048665584	0.192716663	0
2042-HHDT-30	0.000467402	0.208672468	0.010063043	0.011456008	0.123544362	0.01254204	0.219492418	0.139744612	0.048910614	0.130420292	0
2042-HHDT-30	0	0	0	0	0	0	0	0.072743296	0.025460153	0	1.5235044
2042-HHDT-30	1.086021682	0.284409764	0.020856171	1.114447712	9.956782768	0	0.820751898	0.173762426	0.060816849	0.177756103	0
2042-LDA-5	0.007206892	0.005599864	0.021349203	0.031152706	0.940067946	0.005406601	0.041772217	0.00593003	0.002075511	0.063569458	0
2042-LDA-5	0.004626084	0.073677401	0.099596874	0.113384419	2.928312143	0.004431158	0.0031	0.005958715	0.00208555	0.046048376	0
2042-LDA-5	0	0	0	0	0	0	0	0.001331951	0.000466183	0	0.694460555
2042-LDA-5	0.000468299	0.000235564	0.001533858	0.002238202	0.121240597	0.000473679	0.002397604	0.001332449	0.000466357	0.005569396	0.49133529
2042-LDA-30	0.001209868	0.003299887	0.003584166	0.005230007	0.595400075	0.00225566	0.041771847	0.012207274	0.004272546	0.026521488	0
2042-LDA-30	0.00032141	0.030072957	0.006919773	0.007877701	0.193941734	0.001808669	0.0031	0.012266575	0.004293301	0.018795598	0
2042-LDA-30	0	0	0	0	0	0	0	0.005207629	0.00182267	0	0.365797645
2042-LDA-30	0.000533477	0.000577285	0.001747125	0.002549401	0.248035665	0.001454605	0.018409247	0.005210018	0.001823506	0.017102879	0.158733506
2042-LDT1-5	0.009352629	0.006533066	0.029974833	0.043739206	1.099594471	0.006352153	0.041090664	0.008389441	0.002936304	0.074687017	0
2042-LDT1-5	0.012386662	0.133505569	0.266677533	0.303594641	2.789499815	0.008029387	0.0031	0.008239334	0.002883767	0.083440981	0
2042-LDT1-5	0	0	0	0	0	0	0	0.001332497	0.000466374	0	0.694460555
2042-LDT1-5	0.00046625	0.000234454	0.001526583	0.002227586	0.120631763	0.000471382	0.002390479	0.001332897	0.000466514	0.005542394	0.491478355
2042-LDT1-30	0.001584604	0.003839724	0.005097721	0.007438582	0.694599857	0.002651398	0.041090228	0.015018873	0.005256605	0.031174473	0
2042-LDT1-30	0.000799508	0.055505769	0.017212931	0.019595778	0.180049776	0.003338267	0.0031	0.01474998	0.005162493	0.034691105	0
2042-LDT1-30	0	0	0	0	0	0	0	0.005209764	0.001823418	0	0.365797645
2042-LDT1-30	0.000531781	0.000575384	0.001741006	0.002540471	0.24702373	0.001449327	0.018379015	0.00521143	0.001824001	0.017040823	0.159165608
2042-LDT2-5	0.009935622	0.006305563	0.031009995	0.045249712	1.128357823	0.006503832	0.041714547	0.008236773	0.002882871	0.07647042	0
2042-LDT2-5	0.012355415	0.099128602	0.266004806	0.302828786	2.765158925	0.005961863	0.0031	0.00821589	0.002875562	0.061955376	0
2042-LDT2-5	0	0	0	0	0	0	0	0.001332535	0.000466387	0	0.694460555
2042-LDT2-5	0.000467643	0.000234635	0.001534595	0.002239277	0.121257457	0.000473847	0.002402954	0.001333245	0.000466636	0.005571374	0.491322691
2042-LDT2-30	0.001672152	0.003711869	0.005226314	0.007626226	0.713706153	0.002715595	0.041714358	0.014745423	0.005160898	0.031929283	0
2042-LDT2-30	0.000797222	0.041213395	0.017163722	0.019539757	0.178420952	0.002478685	0.0031	0.014708028	0.00514781	0.025758372	0
2042-LDT2-30	0	0	0	0	0	0	0	0.005209913	0.00182347	0	0.365797645
2042-LDT2-30	0.00053224	0.000574611	0.001746438	0.002548398	0.247781492	0.001453826	0.018435822	0.005212947	0.001824531	0.017093718	0.158779174
2042-LHDT1-5	0.003445666	0.002447759	0.011666074	0.017023107	1.401645751	0.013033807	0.045	0.078000022	0.027300008	0.153248225	0
2042-LHDT1-5	0.007162739	0.171676275	0.154209543	0.175557313	0.558967721	0.010325076	0.217263153	0.078000022	0.027300008	0.107297672	0
2042-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2042-LHDT1-30	0.000776029	0.00161349	0.002593846	0.003784933	0.373995322	0.006120716	0.045	0.078000022	0.027300008	0.071965841	0
2042-LHDT1-30	0.004012065	0.08593216	0.086377405	0.098334933	0.196655844	0.005168193	0.217343165	0.078000022	0.027300008	0.0537076	0
2042-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2042-LHDT2-5	0.003144708	0.003020867	0.010465855	0.015271751	1.42331242	0.01471652	0.045	0.091000026	0.031850009	0.17303314	0
2042-LHDT2-5	0.008760028	0.200206382	0.188598255	0.214706575	0.682141656	0.012040954	0.215085655	0.091000026	0.031850009	0.125128989	0
2042-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2042-LHDT2-30	Los Angeles	2042	LHDT2	Aggregate	30	Gasoline	40746.62161	40746.62161	0	0.021921507	0.000917465	0.000997827	700.0239299
2042-LHDT2-30	Los Angeles	2042	LHDT2	Aggregate	30	Diesel	83071.83668	83071.83668	0	0.318388524	0.019788622	0.020683376	635.1161614
2042-LHDT2-30	Los Angeles	2042	LHDT2	Aggregate	30	Electricity	80141.732	0	80141.732	0	0	0	0
2042-MHDT-5	Los Angeles	2042	MHDT	Aggregate	5	Gasoline	247.1535232	247.1535232	0	0.147200422	0.007055322	0.007673306	3386.574241
2042-MHDT-5	Los Angeles	2042	MHDT	Aggregate	5	Diesel	1464.035557	1464.035557	0	1.859709709	0.004651188	0.004861494	2143.205556
2042-MHDT-5	Los Angeles	2042	MHDT	Aggregate	5	Electricity	1377.548732	0	1377.548732	0	0	0	0
2042-MHDT-5	Los Angeles	2042	MHDT	Aggregate	5	Natural Gas	26.99337786	26.99337786	0	0.31189121	0.004367312	0.00474985	2446.64812
2042-MHDT-30	Los Angeles	2042	MHDT	Aggregate	30	Gasoline	36440.01909	36440.01909	0	0.085726727	0.001187896	0.001291946	1417.476981
2042-MHDT-30	Los Angeles	2042	MHDT	Aggregate	30	Diesel	210601.8705	210601.8705	0	0.395388585	0.001557182	0.00162759	997.0666844
2042-MHDT-30	Los Angeles	2042	MHDT	Aggregate	30	Electricity	197599.7244	0	197599.7244	0	0	0	0
2042-MHDT-30	Los Angeles	2042	MHDT	Aggregate	30	Natural Gas	4128.538061	4128.538061	0	0.078513901	0.001584747	0.001723557	967.3497395
2043-HHDT-5	Los Angeles	2043	HHDT	Aggregate	5	Gasoline	0.150553328	0.150553328	0	3.796806011	0.007130823	0.00775542	3900.112537
2043-HHDT-5	Los Angeles	2043	HHDT	Aggregate	5	Diesel	738.7294205	738.7294205	0	9.975779281	0.010283854	0.010748845	2431.749441
2043-HHDT-5	Los Angeles	2043	HHDT	Aggregate	5	Electricity	147.7544127	0	147.7544127	0	0	0	0
2043-HHDT-5	Los Angeles	2043	HHDT	Aggregate	5	Natural Gas	39.57864986	39.57864986	0	1.293410805	0.006065058	0.006596304	4121.370211
2043-HHDT-30	Los Angeles	2043	HHDT	Aggregate	30	Gasoline	68.98260599	68.98260599	0	2.207286002	0.001200119	0.001305239	1651.42713
2043-HHDT-30	Los Angeles	2043	HHDT	Aggregate	30	Diesel	416281.9578	416281.9578	0	1.922949604	0.004703645	0.004916323	1318.978957
2043-HHDT-30	Los Angeles	2043	HHDT	Aggregate	30	Electricity	78898.95962	0	78898.95962	0	0	0	0
2043-HHDT-30	Los Angeles	2043	HHDT	Aggregate	30	Natural Gas	20167.77685	20167.77685	0	0.334307866	0.002345501	0.002550947	1391.10339
2043-LDA-5	Los Angeles	2043	LDA	Aggregate	5	Gasoline	130017.1459	130017.1459	0	0.034385942	0.003419461	0.003718976	545.5500093
2043-LDA-5	Los Angeles	2043	LDA	Aggregate	5	Diesel	78.40360752	78.40360752	0	0.057989898	0.003567595	0.003728906	464.9638447
2043-LDA-5	Los Angeles	2043	LDA	Aggregate	5	Electricity	391157.508	0	391157.508	0	0	0	0
2043-LDA-5	Los Angeles	2043	LDA	Aggregate	5	Plug-in Hybrid	44453.64631	2533.469171	41920.17714	0.001391667	0.000195516	0.000212642	47.74705452
2043-LDA-30	Los Angeles	2043	LDA	Aggregate	30	Gasoline	19107970.36	19107970.36	0	0.020261579	0.000575851	0.000626291	227.6046662
2043-LDA-30	Los Angeles	2043	LDA	Aggregate	30	Diesel	11525.82608	11525.82608	0	0.02096196	0.001553534	0.001623778	189.7810729
2043-LDA-30	Los Angeles	2043	LDA	Aggregate	30	Electricity	2241116.801	0	2241116.801	0	0	0	0
2043-LDA-30	Los Angeles	2043	LDA	Aggregate	30	Plug-in Hybrid	849616.8366	372311.2631	477305.5736	0.003414613	0.000253166	0.000275342	146.8324992
2043-LDT1-5	Los Angeles	2043	LDT1	Aggregate	5	Gasoline	11355.79385	11355.79385	0	0.043539553	0.003985992	0.004335129	639.1061301
2043-LDT1-5	Los Angeles	2043	LDT1	Aggregate	5	Diesel	0.127550952	0.127550952	0	0.15279812	0.009196093	0.009611899	846.4398539
2043-LDT1-5	Los Angeles	2043	LDT1	Aggregate	5	Electricity	7166.225178	0	7166.225178	0	0	0	0
2043-LDT1-5	Los Angeles	2043	LDT1	Aggregate	5	Plug-in Hybrid	1808.246598	102.8635367	1705.383061	0.001388375	0.000183452	0.000199521	47.65479394
2043-LDT1-30	Los Angeles	2043	LDT1	Aggregate	30	Gasoline	1667101.462	1667101.462	0	0.025617472	0.000671375	0.000730182	266.7585511
2043-LDT1-30	Los Angeles	2043	LDT1	Aggregate	30	Diesel	18.72414649	18.72414649	0	0.035706097	0.004864879	0.005084848	351.9125907
2043-LDT1-30	Los Angeles	2043	LDT1	Aggregate	30	Electricity	41058.51817	0	41058.51817	0	0	0	0
2043-LDT1-30	Los Angeles	2043	LDT1	Aggregate	30	Plug-in Hybrid	34517.54675	15099.9561	19417.59066	0.003407582	0.000237541	0.000258347	146.5537595
2043-LDT2-5	Los Angeles	2043	LDT2	Aggregate	5	Gasoline	87095.47686	87095.47686	0	0.043285127	0.003547467	0.003858194	655.9001708
2043-LDT2-5	Los Angeles	2043	LDT2	Aggregate	5	Diesel	330.4620684	330.4620684	0	0.152308075	0.009089836	0.009500838	627.850581
2043-LDT2-5	Los Angeles	2043	LDT2	Aggregate	5	Electricity	51895.49653	0	51895.49653	0	0	0	0
2043-LDT2-5	Los Angeles	2043	LDT2	Aggregate	5	Plug-in Hybrid	16747.47702	956.6296119	15790.84741	0.001394108	0.00018908	0.000205642	47.85164086
2043-LDT2-30	Los Angeles	2043	LDT2	Aggregate	30	Gasoline	12785423.62	12785423.62	0	0.025482723	0.000597367	0.000649691	273.86262
2043-LDT2-30	Los Angeles	2043	LDT2	Aggregate	30	Diesel	48510.91871	48510.91871	0	0.035514635	0.004812079	0.00502966	261.0330705
2043-LDT2-30	Los Angeles	2043	LDT2	Aggregate	30	Electricity	297332.5753	0	297332.5753	0	0	0	0
2043-LDT2-30	Los Angeles	2043	LDT2	Aggregate	30	Plug-in Hybrid	320224.1192	140428.6128	179795.5064	0.003415949	0.000244419	0.000265828	146.9136651
2043-LHDT1-5	Los Angeles	2043	LHDT1	Aggregate	5	Gasoline	784.4696851	784.4696851	0	0.028009689	0.002122848	0.002308791	1314.796608
2043-LHDT1-5	Los Angeles	2043	LHDT1	Aggregate	5	Diesel	372.7571872	372.7571872	0	0.510424611	0.03445623	0.036014187	1088.237606
2043-LHDT1-5	Los Angeles	2043	LHDT1	Aggregate	5	Electricity	848.0278097	0	848.0278097	0	0	0	0
2043-LHDT1-30	Los Angeles	2043	LHDT1	Aggregate	30	Gasoline	291700.0468	291700.0468	0	0.018039279	0.0009368	0.001018856	617.70169
2043-LHDT1-30	Los Angeles	2043	LHDT1	Aggregate	30	Diesel	176066.7202	176066.7202	0	0.217810938	0.016298537	0.017035484	544.8677561
2043-LHDT1-30	Los Angeles	2043	LHDT1	Aggregate	30	Electricity	342086.1848	0	342086.1848	0	0	0	0
2043-LHDT2-5	Los Angeles	2043	LHDT2	Aggregate	5	Gasoline	106.6683618	106.6683618	0	0.030946829	0.00203919	0.002217805	1483.204511
2043-LHDT2-5	Los Angeles	2043	LHDT2	Aggregate	5	Diesel	172.9223335	172.9223335	0	0.662925026	0.042598309	0.044524415	1269.2585

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2042-LHDT2-30	0.000717572	0.002053831	0.002366167	0.003452706	0.377834791	0.006920449	0.045	0.091000026	0.031850009	0.081368904	0
2042-LHDT2-30	0.004787206	0.10006281	0.103065736	0.117333488	0.238664628	0.006018048	0.215222691	0.091000026	0.031850009	0.062539256	0
2042-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2042-MHDT-5	0.017880465	0.013541594	0.068773176	0.100353657	0.41309466	0.033479734	0.045	0.061495877	0.021523557	0.393646304	0
2042-MHDT-5	0.003256527	0.337662908	0.070112138	0.079817332	0.269535138	0.020294875	0.219562374	0.061495877	0.021523557	0.211039318	0
2042-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2042-MHDT-5	3.715847069	0.498765225	0.053092123	3.792294481	8.508112104	0	1.06	0.061495877	0.021523557	0.311728265	0
2042-MHDT-30	0.003006123	0.007875562	0.011574778	0.016889888	0.265735181	0.014013203	0.045	0.044398761	0.015539566	0.164763721	0
2042-MHDT-30	0.00023921	0.157088262	0.005150133	0.005863035	0.051873729	0.009441625	0.21949386	0.044398761	0.015539566	0.098180164	0
2042-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2042-MHDT-30	0.749213775	0.197200573	0.010704787	0.76462761	3.692694094	0	1.06	0.044398761	0.015539566	0.123250358	0
2043-HHDT-5	0.521761051	0.181560081	2.302134855	3.359269776	59.07042077	0.038556583	0.045	0.149741116	0.052409391	0.453338618	0
2043-HHDT-5	0.005044402	0.383123115	0.108604601	0.123638071	0.888604707	0.023027213	0.219513375	0.150369799	0.05262943	0.239451947	0
2043-HHDT-5	0	0	0	0	0	0	0	0.07795117	0.027282909	0	5.90886243
2043-HHDT-5	5.50370759	0.840168278	0.121307106	5.665552265	42.88447132	0	0.802078375	0.181479525	0.063517834	0.525105174	0
2043-HHDT-30	0.0878418	0.105518216	0.387843176	0.565939852	38.0288023	0.016326038	0.045	0.139347557	0.048771645	0.191957459	0
2043-HHDT-30	0.000464981	0.207805672	0.010010911	0.011396661	0.123145103	0.012489942	0.219563048	0.139928129	0.048974845	0.129878545	0
2043-HHDT-30	0	0	0	0	0	0	0	0.072763971	0.02546739	0	1.5235044
2043-HHDT-30	1.078703528	0.283585526	0.020080314	1.106214177	9.919398873	0	0.824281842	0.173401588	0.060690556	0.177240954	0
2043-LDA-5	0.007092302	0.005569069	0.020827127	0.030390894	0.93469443	0.005393317	0.041808127	0.005929801	0.00207543	0.063413269	0
2043-LDA-5	0.004452298	0.073255243	0.095855345	0.109124937	2.876011109	0.004405769	0.0031	0.005953512	0.002083729	0.045784527	0
2043-LDA-5	0	0	0	0	0	0	0	0.001332039	0.000466214	0	0.694460555
2043-LDA-5	0.000466391	0.000234472	0.001528509	0.002230397	0.120818859	0.000472028	0.002390037	0.001332482	0.000466369	0.00554999	0.49143922
2043-LDA-30	0.001190448	0.003281841	0.003495618	0.005100798	0.592013401	0.002250104	0.041807841	0.0122068	0.00427238	0.026456156	0
2043-LDA-30	0.000306445	0.029900085	0.006597582	0.007510909	0.189725161	0.001798272	0.0031	0.012255815	0.004289535	0.018687553	0
2043-LDA-30	0	0	0	0	0	0	0	0.005207973	0.00182279	0	0.365797645
2043-LDA-30	0.000532056	0.000575421	0.001743498	0.002544108	0.247522774	0.001451589	0.018377155	0.005210045	0.001823516	0.017067416	0.158991501
2043-LDT1-5	0.008670607	0.006300661	0.026926002	0.039290359	1.06590966	0.006318215	0.041190262	0.008385581	0.002934953	0.074287982	0
2043-LDT1-5	0.012409881	0.133356944	0.267177428	0.304163738	2.807952738	0.008020448	0.0031	0.008256936	0.002889928	0.08334809	0
2043-LDT1-5	0	0	0	0	0	0	0	0.001332852	0.000466498	0	0.694460555
2043-LDT1-5	0.000465401	0.000233734	0.001525768	0.002226396	0.120555627	0.000471116	0.002389203	0.00133327	0.000466644	0.005539265	0.491494183
2043-LDT1-30	0.001459208	0.003710389	0.004536601	0.006619797	0.674443316	0.00263718	0.041189873	0.015011933	0.005254177	0.031007298	0
2043-LDT1-30	0.000800816	0.055443972	0.017241088	0.019627832	0.181196633	0.003334551	0.0031	0.01478149	0.005173522	0.034652482	0
2043-LDT1-30	0	0	0	0	0	0	0	0.005211151	0.001823903	0	0.365797645
2043-LDT1-30	0.000530929	0.000573742	0.001740456	0.002539669	0.246926072	0.001448833	0.018373211	0.005212876	0.001824507	0.017035016	0.159204718
2043-LDT2-5	0.009729772	0.00621418	0.030048475	0.043846663	1.119112342	0.006484241	0.0417424	0.008238876	0.002883607	0.076240076	0
2043-LDT2-5	0.012361884	0.098918115	0.266144086	0.302987348	2.770360037	0.005949203	0.0031	0.008220824	0.002877288	0.061823822	0
2043-LDT2-5	0	0	0	0	0	0	0	0.001332764	0.000466467	0	0.694460555
2043-LDT2-5	0.000466461	0.000233841	0.001532072	0.002235596	0.121053323	0.000473062	0.002399013	0.001333428	0.0004667	0.005562146	0.4913717
2043-LDT2-30	0.001634265	0.003660785	0.005049294	0.007367919	0.708235285	0.002707411	0.041742233	0.014749182	0.005162214	0.031833056	0
2043-LDT2-30	0.000797523	0.041125867	0.017170199	0.01954713	0.178730029	0.002473421	0.0031	0.014716857	0.0051509	0.025703667	0
2043-LDT2-30	0	0	0	0	0	0	0	0.005210807	0.001823782	0	0.365797645
2043-LDT2-30	0.00053125	0.000573049	0.001744732	0.002545909	0.247531599	0.001452391	0.018417883	0.005213617	0.001824766	0.01707685	0.158900516
2043-LHDT1-5	0.003390761	0.002358587	0.011432132	0.01668174	1.404429985	0.012998103	0.045	0.078000022	0.027300008	0.15282843	0
2043-LHDT1-5	0.00706778	0.171452278	0.152165134	0.173229888	0.553413245	0.010311604	0.217663781	0.078000022	0.027300008	0.107157674	0
2043-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2043-LHDT1-30	0.000766942	0.001561818	0.002554675	0.003727775	0.37414226	0.00610661	0.045	0.078000022	0.027300008	0.071799987	0
2043-LHDT1-30	0.003982164	0.085844137	0.085733656	0.097602068	0.194962458	0.005162899	0.217732627	0.078000022	0.027300008	0.053652586	0
2043-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2043-LHDT2-5	0.003063281	0.00290482	0.010127261	0.014777675	1.42764741	0.014662987	0.045	0.091000026	0.031850009	0.172403713	0
2043-LHDT2-5	0.008730588	0.199972193	0.187964418	0.213984993	0.681352825	0.012026869	0.215251543	0.091000026	0.031850009	0.124982621	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2043-LHDT2-5	Los Angeles	2043	LHDT2	Aggregate	5	Electricity	192.3870861	0	192.3870861	0	0	0	0
2043-LHDT2-30	Los Angeles	2043	LHDT2	Aggregate	30	Gasoline	39659.72334	39659.72334	0	0.020769986	0.000920976	0.001001645	697.912249
2043-LHDT2-30	Los Angeles	2043	LHDT2	Aggregate	30	Diesel	81622.10629	81622.10629	0	0.311632009	0.019806263	0.020701814	634.4619208
2043-LHDT2-30	Los Angeles	2043	LHDT2	Aggregate	30	Electricity	83595.37542	0	83595.37542	0	0	0	0
2043-MHDT-5	Los Angeles	2043	MHDT	Aggregate	5	Gasoline	237.4983559	237.4983559	0	0.138796551	0.007073179	0.007692727	3372.296288
2043-MHDT-5	Los Angeles	2043	MHDT	Aggregate	5	Diesel	1453.911106	1453.911106	0	1.815839428	0.004395442	0.004594184	2132.473101
2043-MHDT-5	Los Angeles	2043	MHDT	Aggregate	5	Electricity	1461.21833	0	1461.21833	0	0	0	0
2043-MHDT-5	Los Angeles	2043	MHDT	Aggregate	5	Natural Gas	26.69090001	26.69090001	0	0.297112078	0.00440165	0.004787196	2441.94048
2043-MHDT-30	Los Angeles	2043	MHDT	Aggregate	30	Gasoline	35013.67941	35013.67941	0	0.080838305	0.001190912	0.001295226	1411.487154
2043-MHDT-30	Los Angeles	2043	MHDT	Aggregate	30	Diesel	209175.1383	209175.1383	0	0.380815839	0.001497479	0.001565188	992.4043371
2043-MHDT-30	Los Angeles	2043	MHDT	Aggregate	30	Electricity	209520.348	0	209520.348	0	0	0	0
2043-MHDT-30	Los Angeles	2043	MHDT	Aggregate	30	Natural Gas	4077.800562	4077.800562	0	0.076500568	0.001596606	0.001736454	965.8383065
2044-HHDT-5	Los Angeles	2044	HHDT	Aggregate	5	Gasoline	0.145625851	0.145625851	0	3.774493256	0.007138085	0.007763318	3886.53273
2044-HHDT-5	Los Angeles	2044	HHDT	Aggregate	5	Diesel	754.9117371	754.9117371	0	9.953228455	0.010220609	0.010682739	2421.673925
2044-HHDT-5	Los Angeles	2044	HHDT	Aggregate	5	Electricity	154.9935714	0	154.9935714	0	0	0	0
2044-HHDT-5	Los Angeles	2044	HHDT	Aggregate	5	Natural Gas	39.09617702	39.09617702	0	1.22456435	0.006076593	0.006608849	4103.909738
2044-HHDT-30	Los Angeles	2044	HHDT	Aggregate	30	Gasoline	66.69949931	66.69949931	0	2.193713523	0.001201433	0.001306668	1645.527781
2044-HHDT-30	Los Angeles	2044	HHDT	Aggregate	30	Diesel	425571.209	425571.209	0	1.914200362	0.004682304	0.004894017	1314.185357
2044-HHDT-30	Los Angeles	2044	HHDT	Aggregate	30	Electricity	82742.02896	0	82742.02896	0	0	0	0
2044-HHDT-30	Los Angeles	2044	HHDT	Aggregate	30	Natural Gas	19955.59207	19955.59207	0	0.318070467	0.002343511	0.002548782	1387.657657
2044-LDA-5	Los Angeles	2044	LDA	Aggregate	5	Gasoline	129536.5554	129536.5554	0	0.034055465	0.003349781	0.003643192	544.4818294
2044-LDA-5	Los Angeles	2044	LDA	Aggregate	5	Diesel	77.31172996	77.31172996	0	0.05500424	0.003187452	0.003331575	462.7883092
2044-LDA-5	Los Angeles	2044	LDA	Aggregate	5	Electricity	391426.0922	0	391426.0922	0	0	0	0
2044-LDA-5	Los Angeles	2044	LDA	Aggregate	5	Plug-in Hybrid	44341.55519	2520.163943	41821.39124	0.001387859	0.000190934	0.000207658	47.6164546
2044-LDA-30	Los Angeles	2044	LDA	Aggregate	30	Gasoline	19037400.12	19037400.12	0	0.020067678	0.000564099	0.000613509	227.1579555
2044-LDA-30	Los Angeles	2044	LDA	Aggregate	30	Diesel	11364.77325	11364.77325	0	0.018864454	0.001415278	0.001479271	188.8902796
2044-LDA-30	Los Angeles	2044	LDA	Aggregate	30	Electricity	2242655.64	0	2242655.64	0	0	0	0
2044-LDA-30	Los Angeles	2044	LDA	Aggregate	30	Plug-in Hybrid	846537.4293	370356.6378	476180.7915	0.003409044	0.000247501	0.00026918	146.5932141
2044-LDT1-5	Los Angeles	2044	LDT1	Aggregate	5	Gasoline	11295.22462	11295.22462	0	0.041234031	0.003853963	0.004191536	636.1753466
2044-LDT1-5	Los Angeles	2044	LDT1	Aggregate	5	Diesel	0.128478319	0.128478319	0	0.152853858	0.009212288	0.009628827	845.575275
2044-LDT1-5	Los Angeles	2044	LDT1	Aggregate	5	Electricity	7288.538953	0	7288.538953	0	0	0	0
2044-LDT1-5	Los Angeles	2044	LDT1	Aggregate	5	Plug-in Hybrid	1840.909785	104.6733859	1736.236399	0.001387738	0.000182313	0.000198282	47.63157457
2044-LDT1-30	Los Angeles	2044	LDT1	Aggregate	30	Gasoline	1658196.501	1658196.501	0	0.024301381	0.000648984	0.000705829	265.5317643
2044-LDT1-30	Los Angeles	2044	LDT1	Aggregate	30	Diesel	18.86033368	18.86033368	0	0.035564691	0.004880556	0.005101233	351.5531325
2044-LDT1-30	Los Angeles	2044	LDT1	Aggregate	30	Electricity	41759.30864	0	41759.30864	0	0	0	0
2044-LDT1-30	Los Angeles	2044	LDT1	Aggregate	30	Plug-in Hybrid	35134.57927	15365.69071	19768.88856	0.003406656	0.000236111	0.000256792	146.5106336
2044-LDT2-5	Los Angeles	2044	LDT2	Aggregate	5	Gasoline	86898.44689	86898.44689	0	0.041917832	0.003471317	0.003775374	654.2268629
2044-LDT2-5	Los Angeles	2044	LDT2	Aggregate	5	Diesel	330.335797	330.335797	0	0.152332871	0.009096155	0.009507443	626.7711693
2044-LDT2-5	Los Angeles	2044	LDT2	Aggregate	5	Electricity	52345.48844	0	52345.48844	0	0	0	0
2044-LDT2-5	Los Angeles	2044	LDT2	Aggregate	5	Plug-in Hybrid	16850.2594	961.2797563	15888.97965	0.001392341	0.000186549	0.000202889	47.79041837
2044-LDT2-30	Los Angeles	2044	LDT2	Aggregate	30	Gasoline	12756515.87	12756515.87	0	0.024702713	0.000584494	0.000635691	273.1636859
2044-LDT2-30	Los Angeles	2044	LDT2	Aggregate	30	Diesel	48492.45885	48492.45885	0	0.03548678	0.004816968	0.00503477	260.5842216
2044-LDT2-30	Los Angeles	2044	LDT2	Aggregate	30	Electricity	299910.7807	0	299910.7807	0	0	0	0
2044-LDT2-30	Los Angeles	2044	LDT2	Aggregate	30	Plug-in Hybrid	322024.5001	141111.6543	180912.8458	0.003413376	0.000241271	0.000262404	146.8016067
2044-LHDT1-5	Los Angeles	2044	LHDT1	Aggregate	5	Gasoline	764.2532522	764.2532522	0	0.026314341	0.002107571	0.002292176	1311.192636
2044-LHDT1-5	Los Angeles	2044	LHDT1	Aggregate	5	Diesel	365.6676492	365.6676492	0	0.493859627	0.033957827	0.03549325	1086.965966
2044-LHDT1-5	Los Angeles	2044	LHDT1	Aggregate	5	Electricity	877.2245346	0	877.2245346	0	0	0	0
2044-LHDT1-30	Los Angeles	2044	LHDT1	Aggregate	30	Gasoline	284195.2529	284195.2529	0	0.017062727	0.000936488	0.001018516	616.3112623
2044-LHDT1-30	Los Angeles	2044	LHDT1	Aggregate	30	Diesel	172743.8955	172743.8955	0	0.206666272	0.016131348	0.016860736	544.3888118
2044-LHDT1-30	Los Angeles	2044	LHDT1	Aggregate	30	Electricity	353947.9239	0	353947.9239	0	0	0	0
2044-LHDT2-5	Los Angeles	2044	LHDT2	Aggregate	5	Gasoline	103.9363458	103.9363458	0	0.029051341	0.002032867	0.002210928	1478.147532

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2043-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2043-LHDT2-30	0.000703329	0.001985674	0.002306535	0.00336569	0.378253759	0.006899573	0.045	0.091000026	0.031850009	0.081123447	0
2043-LHDT2-30	0.004782159	0.099959734	0.102957071	0.11720978	0.238540084	0.006011849	0.215383599	0.091000026	0.031850009	0.062474834	0
2043-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2043-MHDT-5	0.017239149	0.013224487	0.065407173	0.095441994	0.391495545	0.033338582	0.045	0.061495877	0.021523557	0.391986673	0
2043-MHDT-5	0.00319442	0.335972006	0.068774977	0.078295076	0.26436197	0.020193245	0.219645769	0.061495877	0.021523557	0.209982503	0
2043-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2043-MHDT-5	3.711284909	0.497805541	0.053026938	3.787638463	8.540643214	0	1.06	0.061495877	0.021523557	0.311128463	0
2043-MHDT-30	0.002898448	0.007691268	0.011009272	0.016064704	0.251871449	0.013953988	0.045	0.044398761	0.015539566	0.16406748	0
2043-MHDT-30	0.000231463	0.156353707	0.004983332	0.005673144	0.051040722	0.009397476	0.21958769	0.044398761	0.015539566	0.097721067	0
2043-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2043-MHDT-30	0.75087937	0.196892457	0.010728585	0.766327472	3.698816388	0	1.06	0.044398761	0.015539566	0.123057786	0
2044-HHDT-5	0.518723757	0.180181121	2.286875809	3.337003812	58.70530046	0.038422333	0.045	0.150035822	0.052512538	0.451760137	0
2044-HHDT-5	0.0050287	0.381535713	0.108266533	0.123253206	0.886623533	0.022931804	0.219601265	0.150522594	0.052682908	0.238459821	0
2044-HHDT-5	0	0	0	0	0	0	0	0.0779657	0.027287995	0	5.90886243
2044-HHDT-5	5.434220903	0.836608847	0.114940677	5.588513725	42.42186273	0	0.80532332	0.181214375	0.063425031	0.522880529	0
2044-HHDT-30	0.0873234	0.104683754	0.385237124	0.562137107	37.79100542	0.016267717	0.045	0.139622982	0.048868044	0.191271735	0
2044-HHDT-30	0.000462751	0.207050438	0.009962906	0.01134201	0.122810963	0.012444549	0.219641209	0.140071874	0.049025156	0.129406524	0
2044-HHDT-30	0	0	0	0	0	0	0	0.072779123	0.025472693	0	1.5235044
2044-HHDT-30	1.070989606	0.282883091	0.019375383	1.097663981	9.880751661	0	0.82764603	0.173053314	0.06056866	0.176801932	0
2044-LDA-5	0.007013342	0.00554518	0.020482182	0.029887552	0.930941983	0.005382757	0.04183614	0.005929675	0.002075386	0.063289107	0
2044-LDA-5	0.004313782	0.072912487	0.092873192	0.105729955	2.835238875	0.004385154	0.0031	0.005949418	0.002082296	0.045570304	0
2044-LDA-5	0	0	0	0	0	0	0	0.001332114	0.00046624	0	0.694460555
2044-LDA-5	0.000464871	0.000233591	0.001524325	0.002224292	0.120488902	0.000470737	0.002384104	0.001332507	0.000466378	0.005534809	0.491520515
2044-LDA-30	0.001177099	0.003267812	0.003437271	0.005015658	0.589643831	0.002245688	0.041835907	0.01220654	0.004272289	0.026404231	0
2044-LDA-30	0.000293897	0.02975974	0.006327428	0.007203356	0.186285167	0.001789831	0.0031	0.012247352	0.004286573	0.018599838	0
2044-LDA-30	0	0	0	0	0	0	0	0.005208267	0.001822893	0	0.365797645
2044-LDA-30	0.00053091	0.000573894	0.001740654	0.002539958	0.247120417	0.001449223	0.018351867	0.005210063	0.001823522	0.017039602	0.159193826
2044-LDT1-5	0.008266325	0.006142439	0.025185859	0.036751146	1.045513485	0.006289241	0.041276367	0.008382981	0.002934043	0.073947316	0
2044-LDT1-5	0.012430214	0.133220729	0.267615197	0.30466211	2.824328963	0.008012255	0.0031	0.008272459	0.002895361	0.083262956	0
2044-LDT1-5	0	0	0	0	0	0	0	0.001333172	0.00046661	0	0.694460555
2044-LDT1-5	0.000464626	0.00023307	0.001525065	0.002225371	0.120489945	0.000470887	0.002388103	0.00133361	0.000466764	0.005536566	0.491507834
2044-LDT1-30	0.001387088	0.003620078	0.004226028	0.00616661	0.66195305	0.002625052	0.04127602	0.015007252	0.005252538	0.0308647	0
2044-LDT1-30	0.000801732	0.055387339	0.017260814	0.019650289	0.182163719	0.003331145	0.0031	0.014809278	0.005183247	0.034617087	0
2044-LDT1-30	0	0	0	0	0	0	0	0.005212401	0.00182434	0	0.365797645
2044-LDT1-30	0.000530145	0.000572221	0.001739982	0.002538977	0.246841737	0.001448407	0.018368201	0.005214195	0.001824968	0.017030003	0.159238475
2044-LDT2-5	0.009578038	0.006134529	0.029360906	0.042843365	1.112245034	0.006467699	0.041765982	0.008240726	0.002884254	0.076045575	0
2044-LDT2-5	0.012367729	0.098748053	0.266269923	0.303130605	2.775041213	0.005938975	0.0031	0.008225273	0.002878846	0.061717533	0
2044-LDT2-5	0	0	0	0	0	0	0	0.001332962	0.000466537	0	0.694460555
2044-LDT2-5	0.000465493	0.000233172	0.001530128	0.00223276	0.120895594	0.000472457	0.002395977	0.001333589	0.000466756	0.00555503	0.491409458
2044-LDT2-30	0.001607034	0.003615302	0.004925949	0.007187933	0.704081562	0.002700501	0.041765834	0.014752488	0.005163371	0.031751814	0
2044-LDT2-30	0.000797814	0.04105515	0.017176459	0.019554256	0.179012369	0.002469168	0.0031	0.014724817	0.005153686	0.025659469	0
2044-LDT2-30	0	0	0	0	0	0	0	0.00521158	0.001824053	0	0.365797645
2044-LDT2-30	0.000530421	0.000571703	0.001743417	0.00254399	0.247338116	0.001451283	0.018404052	0.005214212	0.001824974	0.017063825	0.158994098
2044-LHDT1-5	0.003330003	0.002256425	0.011165146	0.016292154	1.406741078	0.012962474	0.045	0.078000022	0.027300008	0.152409514	0
2044-LHDT1-5	0.006962147	0.171251931	0.149890922	0.170640849	0.546739503	0.010299555	0.218078899	0.078000022	0.027300008	0.107032457	0
2044-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2044-LHDT1-30	0.00075711	0.001503158	0.002510778	0.003663721	0.374064725	0.006092864	0.045	0.078000022	0.027300008	0.071638368	0
2044-LHDT1-30	0.00394811	0.085768679	0.085000482	0.096767397	0.192888756	0.005158361	0.218135136	0.078000022	0.027300008	0.053605424	0
2044-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2044-LHDT2-5	0.002985166	0.002792492	0.009795915	0.014294176	1.431125532	0.014612993	0.045	0.091000026	0.031850009	0.171815903	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2044-LHDT2-5	Los Angeles	2044	LHDT2	Aggregate	5	Diesel	169.7109335	169.7109335	0	0.646735274	0.042376405	0.044292478	1267.789204
2044-LHDT2-5	Los Angeles	2044	LHDT2	Aggregate	5	Electricity	199.6190529	0	199.6190529	0	0	0	0
2044-LHDT2-30	Los Angeles	2044	LHDT2	Aggregate	30	Gasoline	38645.68289	38645.68289	0	0.019652553	0.000923574	0.001004472	695.9426156
2044-LHDT2-30	Los Angeles	2044	LHDT2	Aggregate	30	Diesel	80118.96465	80118.96465	0	0.295094801	0.019774208	0.02066831	633.9738598
2044-LHDT2-30	Los Angeles	2044	LHDT2	Aggregate	30	Electricity	86747.94929	0	86747.94929	0	0	0	0
2044-MHDT-5	Los Angeles	2044	MHDT	Aggregate	5	Gasoline	228.8886386	228.8886386	0	0.131261696	0.007088148	0.007709008	3359.450633
2044-MHDT-5	Los Angeles	2044	MHDT	Aggregate	5	Diesel	1447.500176	1447.500176	0	1.776236442	0.004148363	0.004335933	2122.45878
2044-MHDT-5	Los Angeles	2044	MHDT	Aggregate	5	Electricity	1541.775717	0	1541.775717	0	0	0	0
2044-MHDT-5	Los Angeles	2044	MHDT	Aggregate	5	Natural Gas	26.43557996	26.43557996	0	0.28341463	0.004433307	0.004821626	2437.548406
2044-MHDT-30	Los Angeles	2044	MHDT	Aggregate	30	Gasoline	33742.00502	33742.00502	0	0.076444786	0.001193438	0.001297973	1406.098247
2044-MHDT-30	Los Angeles	2044	MHDT	Aggregate	30	Diesel	208278.5391	208278.5391	0	0.367500322	0.001441092	0.001506252	988.0277675
2044-MHDT-30	Los Angeles	2044	MHDT	Aggregate	30	Electricity	220989.5806	0	220989.5806	0	0	0	0
2044-MHDT-30	Los Angeles	2044	MHDT	Aggregate	30	Natural Gas	4034.310728	4034.310728	0	0.074658121	0.001607481	0.001748282	964.4245095
2045-HHDT-5	Los Angeles	2045	HHDT	Aggregate	5	Gasoline	0.141160454	0.141160454	0	3.78084848	0.007145322	0.00777119	3873.574564
2045-HHDT-5	Los Angeles	2045	HHDT	Aggregate	5	Diesel	772.1459065	772.1459065	0	9.936285036	0.010170221	0.010630073	2413.035892
2045-HHDT-5	Los Angeles	2045	HHDT	Aggregate	5	Electricity	161.9096431	0	161.9096431	0	0	0	0
2045-HHDT-5	Los Angeles	2045	HHDT	Aggregate	5	Natural Gas	38.63042481	38.63042481	0	1.164022415	0.006094193	0.006627991	4086.375669
2045-HHDT-30	Los Angeles	2045	HHDT	Aggregate	30	Gasoline	64.63138517	64.63138517	0	2.196824316	0.001202743	0.001308093	1639.859437
2045-HHDT-30	Los Angeles	2045	HHDT	Aggregate	30	Diesel	435442.5763	435442.5763	0	1.907087729	0.00466541	0.004876359	1310.101579
2045-HHDT-30	Los Angeles	2045	HHDT	Aggregate	30	Electricity	86414.41656	0	86414.41656	0	0	0	0
2045-HHDT-30	Los Angeles	2045	HHDT	Aggregate	30	Natural Gas	19752.76285	19752.76285	0	0.303905996	0.002344521	0.00254988	1384.425305
2045-LDA-5	Los Angeles	2045	LDA	Aggregate	5	Gasoline	129067.8525	129067.8525	0	0.033807596	0.003293269	0.00358173	543.6265203
2045-LDA-5	Los Angeles	2045	LDA	Aggregate	5	Diesel	76.42968664	76.42968664	0	0.052801298	0.002913839	0.00304559	461.0987019
2045-LDA-5	Los Angeles	2045	LDA	Aggregate	5	Electricity	391401.2795	0	391401.2795	0	0	0	0
2045-LDA-5	Los Angeles	2045	LDA	Aggregate	5	Plug-in Hybrid	44220.44885	2507.94605	41712.5028	0.001384913	0.000187293	0.000203698	47.51544103
2045-LDA-30	Los Angeles	2045	LDA	Aggregate	30	Gasoline	18968573.68	18968573.68	0	0.019921515	0.000554569	0.000603145	226.8003485
2045-LDA-30	Los Angeles	2045	LDA	Aggregate	30	Diesel	11234.64433	11234.64433	0	0.017398658	0.001312914	0.001372278	188.198036
2045-LDA-30	Los Angeles	2045	LDA	Aggregate	30	Electricity	2242513.477	0	2242513.477	0	0	0	0
2045-LDA-30	Los Angeles	2045	LDA	Aggregate	30	Plug-in Hybrid	843502.5713	368561.5899	474940.9814	0.003404729	0.000242984	0.000264267	146.4077502
2045-LDT1-5	Los Angeles	2045	LDT1	Aggregate	5	Gasoline	11238.16262	11238.16262	0	0.039562798	0.003736208	0.004063467	633.4696906
2045-LDT1-5	Los Angeles	2045	LDT1	Aggregate	5	Diesel	0.129240518	0.129240518	0	0.152930065	0.009231749	0.009649167	844.8262637
2045-LDT1-5	Los Angeles	2045	LDT1	Aggregate	5	Electricity	7392.840903	0	7392.840903	0	0	0	0
2045-LDT1-5	Los Angeles	2045	LDT1	Aggregate	5	Plug-in Hybrid	1869.296712	106.2452581	1763.051454	0.001387189	0.000181313	0.000197195	47.61155807
2045-LDT1-30	Los Angeles	2045	LDT1	Aggregate	30	Gasoline	1649807.668	1649807.668	0	0.023315399	0.000629141	0.000684249	264.3999097
2045-LDT1-30	Los Angeles	2045	LDT1	Aggregate	30	Diesel	18.97226579	18.97226579	0	0.035477923	0.004895679	0.00511704	351.2417212
2045-LDT1-30	Los Angeles	2045	LDT1	Aggregate	30	Electricity	42356.90129	0	42356.90129	0	0	0	0
2045-LDT1-30	Los Angeles	2045	LDT1	Aggregate	30	Plug-in Hybrid	35670.69004	15596.48371	20074.20633	0.003405859	0.000234854	0.000255425	146.4734304
2045-LDT2-5	Los Angeles	2045	LDT2	Aggregate	5	Gasoline	86679.97847	86679.97847	0	0.040644896	0.003404219	0.003702398	652.7543106
2045-LDT2-5	Los Angeles	2045	LDT2	Aggregate	5	Diesel	330.0775373	330.0775373	0	0.152358547	0.009102495	0.009514069	625.8966077
2045-LDT2-5	Los Angeles	2045	LDT2	Aggregate	5	Electricity	52687.73672	0	52687.73672	0	0	0	0
2045-LDT2-5	Los Angeles	2045	LDT2	Aggregate	5	Plug-in Hybrid	16929.27527	964.8455791	15964.42969	0.001390985	0.0001845	0.00020066	47.7433517
2045-LDT2-30	Los Angeles	2045	LDT2	Aggregate	30	Gasoline	12724456.4	12724456.4	0	0.023952176	0.000573194	0.000623401	272.5486317
2045-LDT2-30	Los Angeles	2045	LDT2	Aggregate	30	Diesel	48454.61431	48454.61431	0	0.035466071	0.004821552	0.005039561	260.220557
2045-LDT2-30	Los Angeles	2045	LDT2	Aggregate	30	Electricity	301871.6746	0	301871.6746	0	0	0	0
2045-LDT2-30	Los Angeles	2045	LDT2	Aggregate	30	Plug-in Hybrid	323407.3867	141635.4623	181771.9244	0.003411399	0.000238715	0.000259625	146.7153669
2045-LHDT1-5	Los Angeles	2045	LHDT1	Aggregate	5	Gasoline	745.1729322	745.1729322	0	0.024324065	0.002086971	0.002269772	1307.482832
2045-LHDT1-5	Los Angeles	2045	LHDT1	Aggregate	5	Diesel	358.9187737	358.9187737	0	0.479813262	0.033536384	0.035052751	1085.784936
2045-LHDT1-5	Los Angeles	2045	LHDT1	Aggregate	5	Electricity	903.3714388	0	903.3714388	0	0	0	0
2045-LHDT1-30	Los Angeles	2045	LHDT1	Aggregate	30	Gasoline	277113.6815	277113.6815	0	0.015917035	0.000935458	0.001017396	614.9167806
2045-LHDT1-30	Los Angeles	2045	LHDT1	Aggregate	30	Diesel	169577.237	169577.237	0	0.197157247	0.015986465	0.016709302	543.9326702
2045-LHDT1-30	Los Angeles	2045	LHDT1	Aggregate	30	Electricity	364584.7828	0	364584.7828	0	0	0	0

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2044-LHDT2-5	0.00864203	0.199740705	0.186057818	0.211814456	0.67583766	0.012012947	0.215632911	0.091000026	0.031850009	0.124837941	0
2044-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2044-LHDT2-30	0.000689736	0.001919745	0.002248397	0.003280856	0.378462651	0.006880101	0.045	0.091000026	0.031850009	0.080894503	0
2044-LHDT2-30	0.004764872	0.09988284	0.102584898	0.116786086	0.237024478	0.006007225	0.215751936	0.091000026	0.031850009	0.062426775	0
2044-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2044-MHDT-5	0.016577611	0.012784453	0.062074228	0.090578568	0.37297197	0.03321159	0.045	0.061495877	0.021523557	0.390493529	0
2044-MHDT-5	0.003135599	0.334394245	0.067508596	0.076853398	0.259689013	0.020098415	0.219724786	0.061495877	0.021523557	0.208996403	0
2044-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2044-MHDT-5	3.707096838	0.496910188	0.052967099	3.783364229	8.570609937	0	1.06	0.061495877	0.021523557	0.310568868	0
2044-MHDT-30	0.002787088	0.007434664	0.010447818	0.015245432	0.239939326	0.013900713	0.045	0.044398761	0.015539566	0.163441088	0
2044-MHDT-30	0.000224328	0.155664177	0.004829721	0.00549827	0.05027592	0.009356032	0.219676745	0.044398761	0.015539566	0.097290111	0
2044-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2044-MHDT-30	0.7524061	0.196604245	0.010750399	0.767885612	3.70444516	0	1.06	0.044398761	0.015539566	0.122877653	0
2045-HHDT-5	0.515182325	0.179413629	2.269056236	3.311001534	58.2574479	0.038294228	0.045	0.150288397	0.052600939	0.450253915	0
2045-HHDT-5	0.005015889	0.380174787	0.107990712	0.122939206	0.885018872	0.022850007	0.219678633	0.150647555	0.052726644	0.237609242	0
2045-HHDT-5	0	0	0	0	0	0	0	0.077978696	0.027292544	0	5.90886243
2045-HHDT-5	5.379630771	0.833034412	0.109457795	5.527442363	41.97993118	0	0.80873695	0.180918443	0.063321455	0.520646508	0
2045-HHDT-30	0.086719126	0.104204119	0.38219336	0.557695654	37.50053937	0.01621168	0.045	0.13985864	0.048950524	0.190612861	0
2045-HHDT-30	0.000460895	0.206407037	0.009922944	0.011296516	0.122540543	0.012405879	0.219709623	0.140189378	0.049066282	0.129004398	0
2045-HHDT-30	0	0	0	0	0	0	0	0.072792906	0.025477517	0	1.5235044
2045-HHDT-30	1.065749724	0.282224155	0.01878064	1.09172399	9.847598673	0	0.831169798	0.172671023	0.060434858	0.176390097	0
2045-LDA-5	0.006964263	0.005526485	0.02027934	0.029591565	0.928442417	0.005374302	0.041858297	0.005929617	0.002075366	0.063189688	0
2045-LDA-5	0.004206731	0.072646288	0.090568442	0.10310615	2.803457651	0.004369145	0.0031	0.005946308	0.002081208	0.04540393	0
2045-LDA-5	0	0	0	0	0	0	0	0.001332179	0.000466263	0	0.694460555
2045-LDA-5	0.000463667	0.000232882	0.00152109	0.002219571	0.120233628	0.000469739	0.002379511	0.001332528	0.000466385	0.005523067	0.491583385
2045-LDA-30	0.001168853	0.003256787	0.003403195	0.004965934	0.588058073	0.002242152	0.04185811	0.01220642	0.004272247	0.026362664	0
2045-LDA-30	0.000284531	0.029650677	0.006125789	0.006973803	0.183683217	0.001783272	0.0031	0.012240917	0.004284321	0.018531673	0
2045-LDA-30	0	0	0	0	0	0	0	0.005208519	0.001822982	0	0.365797645
2045-LDA-30	0.00052999	0.000572643	0.00173845	0.002536742	0.246808438	0.00144739	0.01833224	0.005210081	0.001823528	0.017018044	0.159350616
2045-LDT1-5	0.008022235	0.006023372	0.02417587	0.035277372	1.032461848	0.006262493	0.041353591	0.008380877	0.002933307	0.073632817	0
2045-LDT1-5	0.012448307	0.133102722	0.268004716	0.30510555	2.838820728	0.008005158	0.0031	0.008286231	0.002900181	0.083189201	0
2045-LDT1-5	0	0	0	0	0	0	0	0.001333461	0.000466711	0	0.694460555
2045-LDT1-5	0.00046392	0.000232461	0.001524459	0.002224487	0.120433287	0.000470689	0.002387155	0.001333919	0.000466872	0.00553424	0.491519598
2045-LDT1-30	0.001346076	0.003549834	0.004056343	0.005919007	0.653668612	0.002613862	0.041353283	0.015003462	0.005251212	0.030733136	0
2045-LDT1-30	0.000802631	0.055338276	0.017280175	0.01967233	0.183037861	0.003328194	0.0031	0.014833931	0.005191876	0.034586423	0
2045-LDT1-30	0	0	0	0	0	0	0	0.005213531	0.001824736	0	0.365797645
2045-LDT1-30	0.000529426	0.000570819	0.001739573	0.00253838	0.246768921	0.001448039	0.018363881	0.005215393	0.001825387	0.017025679	0.159267582
2045-LDT2-5	0.009472322	0.00605893	0.02889897	0.04216931	1.107229731	0.006453141	0.041784977	0.008242281	0.002884799	0.07587441	0
2045-LDT2-5	0.012373043	0.098610265	0.266384341	0.303260862	2.779288278	0.005930688	0.0031	0.008229314	0.00288026	0.061631416	0
2045-LDT2-5	0	0	0	0	0	0	0	0.001333132	0.000466596	0	0.694460555
2045-LDT2-5	0.000464696	0.000232605	0.001528636	0.002230582	0.120774045	0.000471992	0.002393648	0.001333731	0.000466806	0.005549559	0.491438453
2045-LDT2-30	0.001589285	0.003570729	0.004848398	0.00707477	0.700902199	0.002694421	0.041784844	0.014755269	0.005164344	0.031680322	0
2045-LDT2-30	0.000798088	0.040997855	0.017182364	0.019560979	0.179270706	0.002465722	0.0031	0.014732048	0.005156217	0.025623659	0
2045-LDT2-30	0	0	0	0	0	0	0	0.005212246	0.001824286	0	0.365797645
2045-LDT2-30	0.000529723	0.000570539	0.001742406	0.002542515	0.247188732	0.001450431	0.018393435	0.00521474	0.001825159	0.017053801	0.159066008
2045-LHDT1-5	0.003261254	0.002138071	0.010856821	0.015842247	1.408861013	0.012925799	0.045	0.078000022	0.027300008	0.151978297	0
2045-LHDT1-5	0.006876641	0.171065859	0.148050037	0.168545124	0.540865016	0.010288364	0.218410905	0.078000022	0.027300008	0.106916162	0
2045-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2045-LHDT1-30	0.000746134	0.001435304	0.00246058	0.003590473	0.373811868	0.006079078	0.045	0.078000022	0.027300008	0.071476277	0
2045-LHDT1-30	0.003920526	0.085696814	0.084406608	0.096091312	0.191046583	0.005154038	0.218457128	0.078000022	0.027300008	0.053560509	0
2045-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2045-LHDT2-5	Los Angeles	2045	LHDT2	Aggregate	5	Gasoline	101.3761619	101.3761619	0	0.027538764	0.00203007	0.002207887	1473.767537
2045-LHDT2-5	Los Angeles	2045	LHDT2	Aggregate	5	Diesel	166.6866709	166.6866709	0	0.632845727	0.042153427	0.044059418	1266.489366
2045-LHDT2-5	Los Angeles	2045	LHDT2	Aggregate	5	Electricity	206.2015151	0	206.2015151	0	0	0	0
2045-LHDT2-30	Los Angeles	2045	LHDT2	Aggregate	30	Gasoline	37695.19764	37695.19764	0	0.018755033	0.000926236	0.001007366	694.2029955
2045-LHDT2-30	Los Angeles	2045	LHDT2	Aggregate	30	Diesel	78701.77137	78701.77137	0	0.281420342	0.019727628	0.020619624	633.5249321
2045-LHDT2-30	Los Angeles	2045	LHDT2	Aggregate	30	Electricity	89617.70709	0	89617.70709	0	0	0	0
2045-MHDT-5	Los Angeles	2045	MHDT	Aggregate	5	Gasoline	221.2368757	221.2368757	0	0.124185764	0.007100735	0.007722697	3347.910509
2045-MHDT-5	Los Angeles	2045	MHDT	Aggregate	5	Diesel	1445.324384	1445.324384	0	1.744183327	0.004085101	0.004269811	2113.193916
2045-MHDT-5	Los Angeles	2045	MHDT	Aggregate	5	Electricity	1618.789833	0	1618.789833	0	0	0	0
2045-MHDT-5	Los Angeles	2045	MHDT	Aggregate	5	Natural Gas	26.25723542	26.25723542	0	0.271158336	0.004461519	0.004852309	2433.747205
2045-MHDT-30	Los Angeles	2045	MHDT	Aggregate	30	Gasoline	32611.93573	32611.93573	0	0.072314128	0.001195563	0.001300284	1401.255695
2045-MHDT-30	Los Angeles	2045	MHDT	Aggregate	30	Diesel	207986.3177	207986.3177	0	0.356878406	0.001415237	0.001479227	983.9487911
2045-MHDT-30	Los Angeles	2045	MHDT	Aggregate	30	Electricity	231946.6237	0	231946.6237	0	0	0	0
2045-MHDT-30	Los Angeles	2045	MHDT	Aggregate	30	Natural Gas	4002.253584	4002.253584	0	0.073024744	0.001617138	0.001758786	963.2025587
2046-HHDT-5	Los Angeles	2046	HHDT	Aggregate	5	Gasoline	0.137269047	0.137269047	0	3.813665656	0.007150203	0.007776498	3862.755748
2046-HHDT-5	Los Angeles	2046	HHDT	Aggregate	5	Diesel	790.3821426	790.3821426	0	9.923530777	0.010128936	0.010586921	2405.529254
2046-HHDT-5	Los Angeles	2046	HHDT	Aggregate	5	Electricity	168.4994768	0	168.4994768	0	0	0	0
2046-HHDT-5	Los Angeles	2046	HHDT	Aggregate	5	Natural Gas	38.25590465	38.25590465	0	1.095621891	0.006087382	0.006620583	4070.585327
2046-HHDT-30	Los Angeles	2046	HHDT	Aggregate	30	Gasoline	62.83212935	62.83212935	0	2.21545117	0.001203627	0.001309054	1635.120476
2046-HHDT-30	Los Angeles	2046	HHDT	Aggregate	30	Diesel	445871.4603	445871.4603	0	1.901144869	0.004651336	0.004861648	1306.580994
2046-HHDT-30	Los Angeles	2046	HHDT	Aggregate	30	Electricity	89917.79867	0	89917.79867	0	0	0	0
2046-HHDT-30	Los Angeles	2046	HHDT	Aggregate	30	Natural Gas	19594.59266	19594.59266	0	0.2874108	0.002342825	0.002548036	1381.508744
2046-LDA-5	Los Angeles	2046	LDA	Aggregate	5	Gasoline	128593.0698	128593.0698	0	0.033612683	0.003248348	0.003532875	542.9524162
2046-LDA-5	Los Angeles	2046	LDA	Aggregate	5	Diesel	75.6843886	75.6843886	0	0.050983486	0.002681743	0.002802999	459.7527532
2046-LDA-5	Los Angeles	2046	LDA	Aggregate	5	Electricity	391082.2429	0	391082.2429	0	0	0	0
2046-LDA-5	Los Angeles	2046	LDA	Aggregate	5	Plug-in Hybrid	44087.49725	2496.317044	41591.1802	0.00138265	0.000184429	0.000200583	47.43777378
2046-LDA-30	Los Angeles	2046	LDA	Aggregate	30	Gasoline	18898851.15	18898851.15	0	0.019806568	0.000546994	0.000594905	226.5185146
2046-LDA-30	Los Angeles	2046	LDA	Aggregate	30	Diesel	11124.77747	11124.77747	0	0.016118625	0.001228441	0.001283986	187.6467991
2046-LDA-30	Los Angeles	2046	LDA	Aggregate	30	Electricity	2240685.574	0	2240685.574	0	0	0	0
2046-LDA-30	Los Angeles	2046	LDA	Aggregate	30	Plug-in Hybrid	840412.7503	366853.1551	473559.5952	0.003401407	0.000239422	0.000260393	146.2649726
2046-LDT1-5	Los Angeles	2046	LDT1	Aggregate	5	Gasoline	11183.48587	11183.48587	0	0.038152653	0.003632216	0.003950366	631.091126
2046-LDT1-5	Los Angeles	2046	LDT1	Aggregate	5	Diesel	0.129837045	0.129837045	0	0.153007338	0.009250838	0.00966912	844.1732592
2046-LDT1-5	Los Angeles	2046	LDT1	Aggregate	5	Electricity	7479.58699	0	7479.58699	0	0	0	0
2046-LDT1-5	Los Angeles	2046	LDT1	Aggregate	5	Plug-in Hybrid	1893.486433	107.5832918	1785.903142	0.001386716	0.000180439	0.000196244	47.59429876
2046-LDT1-30	Los Angeles	2046	LDT1	Aggregate	30	Gasoline	1641772.31	1641772.31	0	0.022483803	0.000611621	0.000665194	263.4050806
2046-LDT1-30	Los Angeles	2046	LDT1	Aggregate	30	Diesel	19.05987078	19.05987078	0	0.035415484	0.004909501	0.005131487	350.9702302
2046-LDT1-30	Los Angeles	2046	LDT1	Aggregate	30	Electricity	42853.90853	0	42853.90853	0	0	0	0
2046-LDT1-30	Los Angeles	2046	LDT1	Aggregate	30	Plug-in Hybrid	36127.33988	15792.9429	20334.39697	0.00340517	0.000233754	0.000254229	146.4413265
2046-LDT2-5	Los Angeles	2046	LDT2	Aggregate	5	Gasoline	86449.71737	86449.71737	0	0.039686699	0.003349756	0.003643166	651.5493939
2046-LDT2-5	Los Angeles	2046	LDT2	Aggregate	5	Diesel	329.67701	329.67701	0	0.152387193	0.0091093	0.009521182	625.1876942
2046-LDT2-5	Los Angeles	2046	LDT2	Aggregate	5	Electricity	52930.54527	0	52930.54527	0	0	0	0
2046-LDT2-5	Los Angeles	2046	LDT2	Aggregate	5	Plug-in Hybrid	16985.45019	967.3012509	16018.14894	0.001389915	0.000182868	0.000198886	47.7061658
2046-LDT2-30	Los Angeles	2046	LDT2	Aggregate	30	Gasoline	12690663.98	12690663.98	0	0.023387187	0.000564022	0.000613426	272.0453792
2046-LDT2-30	Los Angeles	2046	LDT2	Aggregate	30	Diesel	48395.87521	48395.87521	0	0.03545363	0.004826035	0.005044247	259.9257718
2046-LDT2-30	Los Angeles	2046	LDT2	Aggregate	30	Electricity	303262.8337	0	303262.8337	0	0	0	0
2046-LDT2-30	Los Angeles	2046	LDT2	Aggregate	30	Plug-in Hybrid	324379.829	141996.2541	182383.5749	0.003409839	0.000236678	0.000257409	146.6471738
2046-LHDT1-5	Los Angeles	2046	LHDT1	Aggregate	5	Gasoline	727.5975504	727.5975504	0	0.022434714	0.002065967	0.002246928	1304.109413
2046-LHDT1-5	Los Angeles	2046	LHDT1	Aggregate	5	Diesel	352.3622469	352.3622469	0	0.466054479	0.033087077	0.034583128	1084.68306
2046-LHDT1-5	Los Angeles	2046	LHDT1	Aggregate	5	Electricity	926.5587598	0	926.5587598	0	0	0	0
2046-LHDT1-30	Los Angeles	2046	LHDT1	Aggregate	30	Gasoline	270589.4205	270589.4205	0	0.014828641	0.000934144	0.001015967	613.6560186
2046-LHDT1-30	Los Angeles	2046	LHDT1	Aggregate	30	Diesel	166498.3021	166498.3021	0	0.187984954	0.015825356	0.016540908	543.5043516

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2045-LHDT2-5	0.002922382	0.002703848	0.009528241	0.013903587	1.433405729	0.014569693	0.045	0.091000026	0.031850009	0.171306785	0
2045-LHDT2-5	0.008567357	0.199535915	0.184450157	0.20998424	0.670734704	0.01200063	0.215933205	0.091000026	0.031850009	0.124709947	0
2045-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2045-LHDT2-30	0.000678648	0.00186742	0.002200628	0.003211151	0.378522483	0.006862903	0.045	0.091000026	0.031850009	0.080692294	0
2045-LHDT2-30	0.004749211	0.099812111	0.102247707	0.116402217	0.235569572	0.006002971	0.216042413	0.091000026	0.031850009	0.062382569	0
2045-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2045-MHDT-5	0.016145565	0.012371668	0.059669165	0.087069105	0.356938526	0.033097504	0.045	0.061495877	0.021523557	0.389152136	0
2045-MHDT-5	0.003111437	0.332934562	0.066988393	0.076261186	0.256274776	0.020010683	0.219781459	0.061495877	0.021523557	0.208084101	0
2045-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2045-MHDT-5	3.703377109	0.496135289	0.052913952	3.779567973	8.597297459	0	1.06	0.061495877	0.021523557	0.310084555	0
2045-MHDT-30	0.002714191	0.007193865	0.010041897	0.014653113	0.229594478	0.013852839	0.045	0.044398761	0.015539566	0.162878203	0
2045-MHDT-30	0.000220413	0.155021533	0.004745433	0.005402314	0.049795292	0.009317407	0.219743365	0.044398761	0.015539566	0.096888458	0
2045-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2045-MHDT-30	0.753761347	0.196355143	0.010769762	0.769268741	3.709453468	0	1.06	0.044398761	0.015539566	0.122721964	0
2046-HHDT-5	0.514046528	0.179368784	2.262863878	3.301965659	57.87120488	0.038187273	0.045	0.150498494	0.052674473	0.448996365	0
2046-HHDT-5	0.005005055	0.378992114	0.107757461	0.122673666	0.883684432	0.022778924	0.219747762	0.150749079	0.052762178	0.236870071	0
2046-HHDT-5	0	0	0	0	0	0	0	0.07797863	0.027292521	0	5.90886243
2046-HHDT-5	5.310790843	0.829815448	0.102776668	5.450694816	41.52684543	0	0.811959838	0.180635947	0.063222582	0.518634655	0
2046-HHDT-30	0.086520493	0.104149504	0.381109771	0.556114483	37.25057802	0.016164831	0.045	0.140054536	0.049019088	0.190062017	0
2046-HHDT-30	0.000459271	0.205852368	0.00988798	0.011256712	0.12231213	0.012372541	0.219771246	0.140284809	0.049099683	0.12865773	0
2046-HHDT-30	0	0	0	0	0	0	0	0.072792861	0.025477501	0	1.5235044
2046-HHDT-30	1.058405975	0.281629595	0.018091329	1.083563353	9.811688712	0	0.834494464	0.172306532	0.060307286	0.176018497	0
2046-LDA-5	0.006925401	0.005511328	0.020119645	0.029358539	0.926463028	0.005367637	0.041875965	0.005929625	0.002075369	0.063111332	0
2046-LDA-5	0.004122646	0.072434233	0.088758131	0.101045232	2.77900555	0.004356391	0.0031	0.005943921	0.002080372	0.045271396	0
2046-LDA-5	0	0	0	0	0	0	0	0.001332235	0.000466282	0	0.694460555
2046-LDA-5	0.000462705	0.000232301	0.001518602	0.002215941	0.120037278	0.000468971	0.00237598	0.001332546	0.000466391	0.00551404	0.491631716
2046-LDA-30	0.001162323	0.003247849	0.003376365	0.004926784	0.586802395	0.002239366	0.041875808	0.012206435	0.004272252	0.026329904	0
2046-LDA-30	0.000276899	0.02956383	0.005961475	0.006786743	0.18161097	0.001778049	0.0031	0.01223598	0.004282593	0.018477394	0
2046-LDA-30	0	0	0	0	0	0	0	0.005208737	0.001823058	0	0.365797645
2046-LDA-30	0.00052924	0.000571592	0.001736753	0.002534266	0.246568167	0.001445978	0.018317132	0.005210101	0.001823535	0.017001448	0.159471295
2046-LDT1-5	0.007813265	0.00592129	0.023315147	0.034021408	1.020996341	0.006238978	0.041417186	0.008379318	0.002932761	0.073356339	0
2046-LDT1-5	0.012464325	0.132999841	0.268349582	0.305498158	2.85162198	0.007998971	0.0031	0.00829841	0.002904443	0.0831249	0
2046-LDT1-5	0	0	0	0	0	0	0	0.00133372	0.000466802	0	0.694460555
2046-LDT1-5	0.000463271	0.000231896	0.001523937	0.002223725	0.120384391	0.000470518	0.002386338	0.001334199	0.00046697	0.005532234	0.491529737
2046-LDT1-30	0.001310982	0.003489634	0.003911806	0.005708099	0.646395557	0.002604027	0.041416915	0.015000652	0.005250228	0.0306175	0
2046-LDT1-30	0.000803458	0.055295503	0.017297982	0.019692603	0.183816819	0.003325621	0.0031	0.014855732	0.005199506	0.034559689	0
2046-LDT1-30	0	0	0	0	0	0	0	0.005214544	0.00182509	0	0.365797645
2046-LDT1-30	0.000528759	0.000569512	0.00173922	0.002537865	0.246706009	0.001447722	0.018360156	0.005216476	0.001825766	0.017021947	0.159292682
2046-LDT2-5	0.009392168	0.006000573	0.028551186	0.041661824	1.103276194	0.006441229	0.041801304	0.008243926	0.002885374	0.075734354	0
2046-LDT2-5	0.012378001	0.098498576	0.266491076	0.303382372	2.783236107	0.005923971	0.0031	0.008233076	0.002881577	0.06156161	0
2046-LDT2-5	0	0	0	0	0	0	0	0.001333278	0.000466647	0	0.694460555
2046-LDT2-5	0.000464016	0.000232107	0.001527458	0.002228863	0.120677812	0.000471624	0.002391808	0.001333856	0.00046685	0.005545237	0.491461338
2046-LDT2-30	0.001575827	0.003536321	0.004790007	0.006989566	0.698395783	0.002689446	0.041801185	0.014758209	0.005165373	0.031621825	0
2046-LDT2-30	0.000798359	0.040951411	0.017188192	0.019567614	0.179514103	0.002462929	0.0031	0.01473878	0.005158573	0.025594632	0
2046-LDT2-30	0	0	0	0	0	0	0	0.005212817	0.001824486	0	0.365797645
2046-LDT2-30	0.000529114	0.000569498	0.001741608	0.00254135	0.247070276	0.001449757	0.018385047	0.005215208	0.001825323	0.017045874	0.159122794
2046-LHDT1-5	0.003197236	0.002026193	0.010566394	0.015418458	1.410424234	0.012892449	0.045	0.078000022	0.027300008	0.151586179	0
2046-LHDT1-5	0.006790514	0.170892258	0.146195765	0.166434158	0.534650128	0.010277923	0.218728573	0.078000022	0.027300008	0.106807661	0
2046-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2046-LHDT1-30	0.000735963	0.00137113	0.002413413	0.003521647	0.373454178	0.006066614	0.045	0.078000022	0.027300008	0.071329729	0
2046-LHDT1-30	0.0038919	0.085629332	0.083790308	0.095389695	0.189067299	0.00514998	0.218765097	0.078000022	0.027300008	0.053518332	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2046-LHDT1-30	Los Angeles	2046	LHDT1	Aggregate	30	Electricity	374031.3624	0	374031.3624	0	0	0	0
2046-LHDT2-5	Los Angeles	2046	LHDT2	Aggregate	5	Gasoline	99.01966538	99.01966538	0	0.02608575	0.002026785	0.002204313	1469.777185
2046-LHDT2-5	Los Angeles	2046	LHDT2	Aggregate	5	Diesel	163.7172577	163.7172577	0	0.617064351	0.041848997	0.043741223	1265.240665
2046-LHDT2-5	Los Angeles	2046	LHDT2	Aggregate	5	Electricity	212.1399602	0	212.1399602	0	0	0	0
2046-LHDT2-30	Los Angeles	2046	LHDT2	Aggregate	30	Gasoline	36820.64636	36820.64636	0	0.017896795	0.000928478	0.001009805	692.6290177
2046-LHDT2-30	Los Angeles	2046	LHDT2	Aggregate	30	Diesel	77310.08672	77310.08672	0	0.265180674	0.019654356	0.020543039	633.143261
2046-LHDT2-30	Los Angeles	2046	LHDT2	Aggregate	30	Electricity	92207.20444	0	92207.20444	0	0	0	0
2046-MHDT-5	Los Angeles	2046	MHDT	Aggregate	5	Gasoline	214.4850141	214.4850141	0	0.118635959	0.00711194	0.007734883	3337.733016
2046-MHDT-5	Los Angeles	2046	MHDT	Aggregate	5	Diesel	1447.070589	1447.070589	0	1.716544625	0.004035205	0.004217659	2104.635967
2046-MHDT-5	Los Angeles	2046	MHDT	Aggregate	5	Electricity	1692.697221	0	1692.697221	0	0	0	0
2046-MHDT-5	Los Angeles	2046	MHDT	Aggregate	5	Natural Gas	26.09707298	26.09707298	0	0.258747387	0.004490287	0.004883597	2430.027169
2046-MHDT-30	Los Angeles	2046	MHDT	Aggregate	30	Gasoline	31614.96256	31614.96256	0	0.069083533	0.001197457	0.001302343	1396.985544
2046-MHDT-30	Los Angeles	2046	MHDT	Aggregate	30	Diesel	208255.2788	208255.2788	0	0.347842206	0.001392957	0.001455941	980.1687997
2046-MHDT-30	Los Angeles	2046	MHDT	Aggregate	30	Electricity	242452.2949	0	242452.2949	0	0	0	0
2046-MHDT-30	Los Angeles	2046	MHDT	Aggregate	30	Natural Gas	3973.118418	3973.118418	0	0.071358286	0.00162696	0.001769467	962.0194535
2047-HHDT-5	Los Angeles	2047	HHDT	Aggregate	5	Gasoline	0.133933762	0.133933762	0	3.880783951	0.007153047	0.007779591	3853.967545
2047-HHDT-5	Los Angeles	2047	HHDT	Aggregate	5	Diesel	809.6243675	809.6243675	0	9.915875966	0.010093935	0.010550338	2399.32123
2047-HHDT-5	Los Angeles	2047	HHDT	Aggregate	5	Electricity	174.8907701	0	174.8907701	0	0	0	0
2047-HHDT-5	Los Angeles	2047	HHDT	Aggregate	5	Natural Gas	37.87045612	37.87045612	0	1.026349083	0.006081257	0.006613922	4053.026344
2047-HHDT-30	Los Angeles	2047	HHDT	Aggregate	30	Gasoline	61.29266661	61.29266661	0	2.254101029	0.001204142	0.001309615	1631.311343
2047-HHDT-30	Los Angeles	2047	HHDT	Aggregate	30	Diesel	456856.9421	456856.9421	0	1.896890176	0.004638778	0.004848523	1303.662993
2047-HHDT-30	Los Angeles	2047	HHDT	Aggregate	30	Electricity	93316.79887	0	93316.79887	0	0	0	0
2047-HHDT-30	Los Angeles	2047	HHDT	Aggregate	30	Natural Gas	19433.72389	19433.72389	0	0.271062782	0.00234408	0.002549401	1378.501775
2047-LDA-5	Los Angeles	2047	LDA	Aggregate	5	Gasoline	128115.2383	128115.2383	0	0.033448256	0.003212623	0.003494021	542.4168997
2047-LDA-5	Los Angeles	2047	LDA	Aggregate	5	Diesel	75.01613235	75.01613235	0	0.049167389	0.002430254	0.002540139	458.5981394
2047-LDA-5	Los Angeles	2047	LDA	Aggregate	5	Electricity	390537.8393	0	390537.8393	0	0	0	0
2047-LDA-5	Los Angeles	2047	LDA	Aggregate	5	Plug-in Hybrid	43947.51893	2485.268607	41462.25033	0.001380916	0.000182189	0.000198148	47.37825324
2047-LDA-30	Los Angeles	2047	LDA	Aggregate	30	Gasoline	18828674.34	18828674.34	0	0.019709586	0.000540968	0.000588352	226.294627
2047-LDA-30	Los Angeles	2047	LDA	Aggregate	30	Diesel	11026.33215	11026.33215	0	0.014609119	0.001144252	0.00119599	187.1741267
2047-LDA-30	Los Angeles	2047	LDA	Aggregate	30	Electricity	2237566.441	0	2237566.441	0	0	0	0
2047-LDA-30	Los Angeles	2047	LDA	Aggregate	30	Plug-in Hybrid	837321.5687	365229.9764	472091.5922	0.003398861	0.00023663	0.000257357	146.1554334
2047-LDT1-5	Los Angeles	2047	LDT1	Aggregate	5	Gasoline	11134.17353	11134.17353	0	0.037034868	0.003544565	0.003855037	629.0669725
2047-LDT1-5	Los Angeles	2047	LDT1	Aggregate	5	Diesel	0.130283275	0.130283275	0	0.153016621	0.009256435	0.009674969	843.5718665
2047-LDT1-5	Los Angeles	2047	LDT1	Aggregate	5	Electricity	7548.676201	0	7548.676201	0	0	0	0
2047-LDT1-5	Los Angeles	2047	LDT1	Aggregate	5	Plug-in Hybrid	1913.954572	108.7142746	1805.240297	0.00138631	0.000179675	0.000195413	47.57946925
2047-LDT1-30	Los Angeles	2047	LDT1	Aggregate	30	Gasoline	1634524.972	1634524.972	0	0.02182443	0.000596852	0.000649132	262.5584815
2047-LDT1-30	Los Angeles	2047	LDT1	Aggregate	30	Diesel	19.12540631	19.12540631	0	0.035276847	0.004918927	0.005141339	350.7202224
2047-LDT1-30	Los Angeles	2047	LDT1	Aggregate	30	Electricity	43249.75161	0	43249.75161	0	0	0	0
2047-LDT1-30	Los Angeles	2047	LDT1	Aggregate	30	Plug-in Hybrid	36513.57013	15958.99918	20554.57096	0.003404579	0.000232792	0.000253182	146.4137046
2047-LDT2-5	Los Angeles	2047	LDT2	Aggregate	5	Gasoline	86200.60217	86200.60217	0	0.038813817	0.003303969	0.003593368	650.4896497
2047-LDT2-5	Los Angeles	2047	LDT2	Aggregate	5	Diesel	329.1635686	329.1635686	0	0.152411276	0.009115135	0.009527281	624.6002595
2047-LDT2-5	Los Angeles	2047	LDT2	Aggregate	5	Electricity	53090.75604	0	53090.75604	0	0	0	0
2047-LDT2-5	Los Angeles	2047	LDT2	Aggregate	5	Plug-in Hybrid	17022.78954	968.8342482	16053.95529	0.001389065	0.000181592	0.000197497	47.67661361
2047-LDT2-30	Los Angeles	2047	LDT2	Aggregate	30	Gasoline	12654101.32	12654101.32	0	0.022872577	0.000556312	0.00060504	271.6027163
2047-LDT2-30	Los Angeles	2047	LDT2	Aggregate	30	Diesel	48320.54621	48320.54621	0	0.035438663	0.004830072	0.005048466	259.6815032
2047-LDT2-30	Los Angeles	2047	LDT2	Aggregate	30	Electricity	304180.7531	0	304180.7531	0	0	0	0
2047-LDT2-30	Los Angeles	2047	LDT2	Aggregate	30	Plug-in Hybrid	325012.8064	142221.5383	182791.2681	0.003408599	0.000235084	0.000255675	146.5929274
2047-LHDT1-5	Los Angeles	2047	LHDT1	Aggregate	5	Gasoline	711.6484069	711.6484069	0	0.021104489	0.002047405	0.00222674	1301.186659
2047-LHDT1-5	Los Angeles	2047	LHDT1	Aggregate	5	Diesel	346.0201172	346.0201172	0	0.45527697	0.032729891	0.034209791	1083.6056
2047-LHDT1-5	Los Angeles	2047	LHDT1	Aggregate	5	Electricity	947.0077103	0	947.0077103	0	0	0	0
2047-LHDT1-30	Los Angeles	2047	LHDT1	Aggregate	30	Gasoline	264665.0411	264665.0411	0	0.014058324	0.000932923	0.001014639	612.5588481

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2046-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2046-LHDT2-5	0.002865073	0.002620429	0.009280837	0.013542576	1.435132128	0.014530244	0.045	0.091000026	0.031850009	0.170842957	0
2046-LHDT2-5	0.008474905	0.199339182	0.182459705	0.207718244	0.663976097	0.011988798	0.216295029	0.091000026	0.031850009	0.124586989	0
2046-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2046-LHDT2-30	0.000668618	0.001818405	0.002156823	0.003147231	0.378447193	0.006847343	0.045	0.091000026	0.031850009	0.080509339	0
2046-LHDT2-30	0.004729156	0.099751979	0.101815953	0.115910694	0.233602689	0.005999354	0.216392005	0.091000026	0.031850009	0.062344987	0
2046-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2046-MHDT-5	0.015977501	0.012049944	0.058385706	0.085196285	0.345743885	0.032996889	0.045	0.061495877	0.021523557	0.387969131	0
2046-MHDT-5	0.003089773	0.331586254	0.066521957	0.075730185	0.253239036	0.019929644	0.219828798	0.061495877	0.021523557	0.207241409	0
2046-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2046-MHDT-5	3.699561461	0.495376935	0.052859434	3.775673825	8.624542797	0	1.06	0.061495877	0.021523557	0.309610584	0
2046-MHDT-30	0.002685968	0.007006618	0.009826159	0.014338308	0.222404653	0.013810624	0.045	0.044398761	0.015539566	0.162381852	0
2046-MHDT-30	0.000216913	0.154425994	0.004670081	0.005316531	0.049366742	0.009281612	0.219798964	0.044398761	0.015539566	0.096516246	0
2046-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2046-MHDT-30	0.755140584	0.196113959	0.010789469	0.770676354	3.714528347	0	1.06	0.044398761	0.015539566	0.122571224	0
2047-HHDT-5	0.513387166	0.179898593	2.259184862	3.296597248	57.65088798	0.038100393	0.045	0.150671154	0.052734904	0.447974848	0
2047-HHDT-5	0.004994375	0.378014037	0.107527531	0.122411909	0.882460952	0.022720137	0.219798877	0.15083649	0.052792771	0.236258773	0
2047-HHDT-5	0	0	0	0	0	0	0	0.077973763	0.027290817	0	5.90886243
2047-HHDT-5	5.243685047	0.826235934	0.096143766	5.375743793	41.02609045	0	0.815654405	0.180283217	0.063099126	0.516397459	0
2047-HHDT-30	0.086402957	0.104432642	0.38045351	0.555156868	37.10787448	0.016127173	0.045	0.140215524	0.049075433	0.189619254	0
2047-HHDT-30	0.000457702	0.205392636	0.009854207	0.011218265	0.122102765	0.012344909	0.219817881	0.140366906	0.049128417	0.128370397	0
2047-HHDT-30	0	0	0	0	0	0	0	0.072787957	0.025475785	0	1.5235044
2047-HHDT-30	1.051627208	0.281016605	0.017434714	1.076007375	9.774770328	0	0.838273558	0.171863482	0.060152219	0.175635378	0
2047-LDA-5	0.006893478	0.005498378	0.019988417	0.029167051	0.924833075	0.005362343	0.041890337	0.005929678	0.002075387	0.063049085	0
2047-LDA-5	0.004052071	0.072252324	0.087238701	0.099315461	2.759739192	0.00434545	0.0031	0.005941949	0.002079682	0.045157702	0
2047-LDA-5	0	0	0	0	0	0	0	0.001332283	0.000466299	0	0.694460555
2047-LDA-5	0.000461934	0.000231822	0.001516697	0.00221316	0.119886717	0.000468382	0.002373286	0.001332563	0.000466397	0.005507121	0.491668745
2047-LDA-30	0.001156959	0.003240211	0.003354316	0.004894609	0.585768385	0.002237153	0.041890202	0.012206543	0.00427229	0.02630388	0
2047-LDA-30	0.000269556	0.02948936	0.005803374	0.006606756	0.179743448	0.00177357	0.0031	0.012231903	0.004281166	0.01843085	0
2047-LDA-30	0	0	0	0	0	0	0	0.005208926	0.001823124	0	0.365797645
2047-LDA-30	0.000528626	0.000570703	0.001735452	0.002532367	0.246383695	0.001444895	0.018305633	0.005210125	0.001823544	0.016988715	0.159563848
2047-LDT1-5	0.007644622	0.005839272	0.022623073	0.033011535	1.011640764	0.006218967	0.041473021	0.008378581	0.002932503	0.073121057	0
2047-LDT1-5	0.012478197	0.132905091	0.268648238	0.305838158	2.862880015	0.007993272	0.0031	0.008309042	0.002908165	0.083065682	0
2047-LDT1-5	0	0	0	0	0	0	0	0.001333945	0.000466881	0	0.694460555
2047-LDT1-5	0.000462678	0.000231376	0.001523489	0.002223071	0.120342311	0.000470371	0.002385636	0.00133445	0.000467058	0.00553051	0.491538441
2047-LDT1-30	0.001282652	0.003441254	0.003795554	0.005538463	0.640458435	0.002595658	0.041472779	0.014999316	0.005249761	0.030519093	0
2047-LDT1-30	0.000803993	0.055256114	0.017309486	0.019705699	0.184461817	0.003323252	0.0031	0.014874765	0.005206168	0.034535071	0
2047-LDT1-30	0	0	0	0	0	0	0	0.005215424	0.001825398	0	0.365797645
2047-LDT1-30	0.000528146	0.000568301	0.001738917	0.002537423	0.246651759	0.001447449	0.018356955	0.005217451	0.001826108	0.017018736	0.159314253
2047-LDT2-5	0.009319114	0.005946884	0.028235967	0.041201857	1.099502069	0.006430752	0.04181605	0.008245426	0.002885899	0.075611172	0
2047-LDT2-5	0.012382581	0.098406025	0.266589674	0.30349462	2.786890103	0.005918405	0.0031	0.008236555	0.002882794	0.061503766	0
2047-LDT2-5	0	0	0	0	0	0	0	0.001333403	0.000466691	0	0.694460555
2047-LDT2-5	0.000463433	0.00023167	0.001526523	0.002227498	0.120601163	0.000471332	0.002390349	0.001333966	0.000466888	0.005541802	0.491479506
2047-LDT2-30	0.001563564	0.003504669	0.004737092	0.006912354	0.696003701	0.002685069	0.041815943	0.01476089	0.005166311	0.031570371	0
2047-LDT2-30	0.000798601	0.040912927	0.017193415	0.01957356	0.179737734	0.002460614	0.0031	0.014745005	0.005160752	0.025570579	0
2047-LDT2-30	0	0	0	0	0	0	0	0.005213305	0.001824657	0	0.365797645
2047-LDT2-30	0.000528581	0.000568565	0.001740974	0.002540425	0.246975753	0.00144922	0.018378386	0.005215621	0.001825467	0.017039569	0.159167899
2047-LHDT1-5	0.003141106	0.001943124	0.010315718	0.015052671	1.411715821	0.012863555	0.045	0.078000022	0.027300008	0.151246446	0
2047-LHDT1-5	0.006730885	0.170722504	0.144911989	0.164972665	0.529338223	0.010267714	0.218972779	0.078000022	0.027300008	0.106701565	0
2047-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2047-LHDT1-30	0.000727027	0.001323272	0.002372557	0.003462029	0.373246131	0.006055768	0.045	0.078000022	0.027300008	0.071202197	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2047-LHDT1-30	Los Angeles	2047	LHDT1	Aggregate	30	Diesel	163518.0915	163518.0915	0	0.180976306	0.015694843	0.016404494	543.0741119
2047-LHDT1-30	Los Angeles	2047	LHDT1	Aggregate	30	Electricity	382376.7176	0	382376.7176	0	0	0	0
2047-LHDT2-5	Los Angeles	2047	LHDT2	Aggregate	5	Gasoline	96.8311836	96.8311836	0	0.025072225	0.002025757	0.002203196	1466.410068
2047-LHDT2-5	Los Angeles	2047	LHDT2	Aggregate	5	Diesel	160.9640194	160.9640194	0	0.606662718	0.041582181	0.043462343	1264.172988
2047-LHDT2-5	Los Angeles	2047	LHDT2	Aggregate	5	Electricity	217.4769255	0	217.4769255	0	0	0	0
2047-LHDT2-30	Los Angeles	2047	LHDT2	Aggregate	30	Gasoline	36008.12337	36008.12337	0	0.017290381	0.000930563	0.001012073	691.2710503
2047-LHDT2-30	Los Angeles	2047	LHDT2	Aggregate	30	Diesel	76017.99958	76017.99958	0	0.25568955	0.019578403	0.020463652	632.780984
2047-LHDT2-30	Los Angeles	2047	LHDT2	Aggregate	30	Electricity	94535.00216	0	94535.00216	0	0	0	0
2047-MHDT-5	Los Angeles	2047	MHDT	Aggregate	5	Gasoline	208.5985142	208.5985142	0	0.11458547	0.007121157	0.007744908	3328.916456
2047-MHDT-5	Los Angeles	2047	MHDT	Aggregate	5	Diesel	1452.581907	1452.581907	0	1.691498591	0.003992715	0.004173248	2096.90553
2047-MHDT-5	Los Angeles	2047	MHDT	Aggregate	5	Electricity	1763.785134	0	1763.785134	0	0	0	0
2047-MHDT-5	Los Angeles	2047	MHDT	Aggregate	5	Natural Gas	25.96211409	25.96211409	0	0.247403399	0.004516754	0.004912382	2426.42007
2047-MHDT-30	Los Angeles	2047	MHDT	Aggregate	30	Gasoline	30745.8933	30745.8933	0	0.066720285	0.001199013	0.001304036	1393.28486
2047-MHDT-30	Los Angeles	2047	MHDT	Aggregate	30	Diesel	209062.3445	209062.3445	0	0.339672259	0.001372988	0.001435068	976.7627449
2047-MHDT-30	Los Angeles	2047	MHDT	Aggregate	30	Electricity	252548.942	0	252548.942	0	0	0	0
2047-MHDT-30	Los Angeles	2047	MHDT	Aggregate	30	Natural Gas	3947.860936	3947.860936	0	0.06981761	0.001636013	0.001779314	960.8613036
2048-HHDT-5	Los Angeles	2048	HHDT	Aggregate	5	Gasoline	0.131078418	0.131078418	0	4.018397286	0.007157992	0.00778497	3847.256607
2048-HHDT-5	Los Angeles	2048	HHDT	Aggregate	5	Diesel	829.7812808	829.7812808	0	9.911966579	0.010086406	0.010542469	2393.589419
2048-HHDT-5	Los Angeles	2048	HHDT	Aggregate	5	Electricity	181.1131924	0	181.1131924	0	0	0	0
2048-HHDT-5	Los Angeles	2048	HHDT	Aggregate	5	Natural Gas	37.55900451	37.55900451	0	0.954427768	0.006095068	0.006628943	4036.545753
2048-HHDT-30	Los Angeles	2048	HHDT	Aggregate	30	Gasoline	59.97541686	59.97541686	0	2.333734439	0.001205039	0.00131059	1628.557729
2048-HHDT-30	Los Angeles	2048	HHDT	Aggregate	30	Diesel	468357.5746	468357.5746	0	1.893936669	0.004629437	0.00483876	1300.985056
2048-HHDT-30	Los Angeles	2048	HHDT	Aggregate	30	Electricity	96627.65387	0	96627.65387	0	0	0	0
2048-HHDT-30	Los Angeles	2048	HHDT	Aggregate	30	Natural Gas	19308.71147	19308.71147	0	0.25336478	0.002336263	0.0025409	1375.592129
2048-LDA-5	Los Angeles	2048	LDA	Aggregate	5	Gasoline	127621.5217	127621.5217	0	0.033309479	0.003184103	0.003463002	541.9854737
2048-LDA-5	Los Angeles	2048	LDA	Aggregate	5	Diesel	74.40905808	74.40905808	0	0.047553359	0.002200527	0.002300025	457.6351006
2048-LDA-5	Los Angeles	2048	LDA	Aggregate	5	Electricity	389776.1329	0	389776.1329	0	0	0	0
2048-LDA-5	Los Angeles	2048	LDA	Aggregate	5	Plug-in Hybrid	43799.19752	2474.494783	41324.70273	0.001379586	0.000180453	0.000196259	47.33259872
2048-LDA-30	Los Angeles	2048	LDA	Aggregate	30	Gasoline	18756164.45	18756164.45	0	0.019627731	0.000536158	0.00058312	226.1142912
2048-LDA-30	Los Angeles	2048	LDA	Aggregate	30	Diesel	10936.90559	10936.90559	0	0.013190864	0.001069339	0.00111769	186.7796557
2048-LDA-30	Los Angeles	2048	LDA	Aggregate	30	Electricity	2233202.284	0	2233202.284	0	0	0	0
2048-LDA-30	Los Angeles	2048	LDA	Aggregate	30	Plug-in Hybrid	834172.6754	363647.2081	470525.4673	0.003396907	0.000234462	0.000254999	146.07137
2048-LDT1-5	Los Angeles	2048	LDT1	Aggregate	5	Gasoline	11092.32657	11092.32657	0	0.03652354	0.00347887	0.003783589	627.5224143
2048-LDT1-5	Los Angeles	2048	LDT1	Aggregate	5	Diesel	0.130605692	0.130605692	0	0.153128242	0.00928109	0.00970074	843.0898971
2048-LDT1-5	Los Angeles	2048	LDT1	Aggregate	5	Electricity	7604.873152	0	7604.873152	0	0	0	0
2048-LDT1-5	Los Angeles	2048	LDT1	Aggregate	5	Plug-in Hybrid	1930.894606	109.6485662	1821.24604	0.001385958	0.000179009	0.000194689	47.56662536
2048-LDT1-30	Los Angeles	2048	LDT1	Aggregate	30	Gasoline	1628376.07	1628376.07	0	0.021522785	0.000585784	0.000637094	261.9130011
2048-LDT1-30	Los Angeles	2048	LDT1	Aggregate	30	Diesel	19.1727596	19.1727596	0	0.035302578	0.004932028	0.005155032	350.519837
2048-LDT1-30	Los Angeles	2048	LDT1	Aggregate	30	Electricity	43571.72914	0	43571.72914	0	0	0	0
2048-LDT1-30	Los Angeles	2048	LDT1	Aggregate	30	Plug-in Hybrid	36832.99004	16096.17677	20736.81327	0.003404066	0.000231952	0.000252269	146.3897637
2048-LDT2-5	Los Angeles	2048	LDT2	Aggregate	5	Gasoline	85932.09537	85932.09537	0	0.037957948	0.00326526	0.003551268	649.5577719
2048-LDT2-5	Los Angeles	2048	LDT2	Aggregate	5	Diesel	328.5308505	328.5308505	0	0.152433746	0.009120581	0.009532973	624.107392
2048-LDT2-5	Los Angeles	2048	LDT2	Aggregate	5	Electricity	53177.0624	0	53177.0624	0	0	0	0
2048-LDT2-5	Los Angeles	2048	LDT2	Aggregate	5	Plug-in Hybrid	17042.40475	969.4632195	16072.94153	0.001388368	0.000180582	0.000196399	47.65235074
2048-LDT2-30	Los Angeles	2048	LDT2	Aggregate	30	Gasoline	12614689.93	12614689.93	0	0.02236795	0.000549793	0.00059795	271.2134264
2048-LDT2-30	Los Angeles	2048	LDT2	Aggregate	30	Diesel	48227.7008	48227.7008	0	0.035424628	0.004833841	0.005052406	259.4765563
2048-LDT2-30	Los Angeles	2048	LDT2	Aggregate	30	Electricity	304675.2409	0	304675.2409	0	0	0	0
2048-LDT2-30	Los Angeles	2048	LDT2	Aggregate	30	Plug-in Hybrid	325321.5298	142314.0833	183007.4465	0.003407582	0.000233824	0.000254305	146.5483657
2048-LHDT1-5	Los Angeles	2048	LHDT1	Aggregate	5	Gasoline	696.4351652	696.4351652	0	0.019436804	0.00202302	0.002200219	1297.940987
2048-LHDT1-5	Los Angeles	2048	LHDT1	Aggregate	5	Diesel	339.996147	339.996147	0	0.445021104	0.032377662	0.033841636	1082.628084
2048-LHDT1-5	Los Angeles	2048	LHDT1	Aggregate	5	Electricity	964.8348247	0	964.8348247	0	0	0	0

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2047-LHDT1-30	0.003871945	0.085561547	0.083360693	0.094900607	0.187365685	0.005145903	0.219002278	0.078000022	0.027300008	0.053475967	0
2047-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2047-LHDT2-5	0.002819925	0.002561345	0.009086914	0.013259604	1.436057097	0.014496956	0.045	0.091000026	0.031850009	0.170451572	0
2047-LHDT2-5	0.008421454	0.199170969	0.181308954	0.20640819	0.658464593	0.011978682	0.216554131	0.091000026	0.031850009	0.124481856	0
2047-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2047-LHDT2-30	0.000660551	0.001783294	0.002121672	0.003095939	0.378341261	0.006833918	0.045	0.091000026	0.031850009	0.080351492	0
2047-LHDT2-30	0.004716806	0.099694902	0.101550058	0.115607989	0.231952607	0.005995921	0.216642527	0.091000026	0.031850009	0.062309314	0
2047-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2047-MHDT-5	0.016173246	0.011847568	0.058653268	0.085586711	0.336947563	0.032909728	0.045	0.061495877	0.021523557	0.386944318	0
2047-MHDT-5	0.003070155	0.33036832	0.06609959	0.075249352	0.250401399	0.019856441	0.219870223	0.061495877	0.021523557	0.2064802	0
2047-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2047-MHDT-5	3.696032213	0.494641604	0.052809008	3.772071968	8.649634338	0	1.06	0.061495877	0.021523557	0.309151003	0
2047-MHDT-30	0.002718784	0.006888754	0.009870693	0.014403292	0.21673664	0.013774039	0.045	0.044398761	0.015539566	0.161951694	0
2047-MHDT-30	0.00021371	0.153889368	0.004601112	0.005238016	0.048968511	0.009249359	0.219847665	0.044398761	0.015539566	0.096180855	0
2047-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2047-MHDT-30	0.756412836	0.195877862	0.010807647	0.77197478	3.719190827	0	1.06	0.044398761	0.015539566	0.122423664	0
2048-HHDT-5	0.514962211	0.182343595	2.266073175	3.306648658	57.97725032	0.038034048	0.045	0.150796742	0.05277886	0.447194786	0
2048-HHDT-5	0.004989147	0.377110988	0.107414958	0.122283753	0.881522844	0.02266586	0.219847718	0.150906375	0.052817231	0.235694367	0
2048-HHDT-5	0	0	0	0	0	0	0	0.077964614	0.027287615	0	5.90886243
2048-HHDT-5	5.170098971	0.822876258	0.088651082	5.293305087	40.53746661	0	0.81918416	0.179939545	0.062978841	0.514297661	0
2048-HHDT-30	0.086664791	0.105832206	0.381596673	0.556824969	37.31659612	0.016099951	0.045	0.140331634	0.049116072	0.189299181	0
2048-HHDT-30	0.000456591	0.204970725	0.00983029	0.011191036	0.121954653	0.012319551	0.219861701	0.140432203	0.049151271	0.128106703	0
2048-HHDT-30	0	0	0	0	0	0	0	0.072778699	0.025472545	0	1.5235044
2048-HHDT-30	1.043269654	0.280423454	0.016581082	1.066641365	9.73871385	0	0.841874424	0.171434374	0.060002031	0.175264659	0
2048-LDA-5	0.00686709	0.005487125	0.019880593	0.029009715	0.923497769	0.005358078	0.041902196	0.005929761	0.002075416	0.062998937	0
2048-LDA-5	0.003993639	0.072100596	0.085980705	0.097883316	2.744319359	0.004336325	0.0031	0.005940346	0.002079121	0.045062873	0
2048-LDA-5	0	0	0	0	0	0	0	0.001332325	0.000466314	0	0.694460555
2048-LDA-5	0.000461305	0.000231417	0.001515235	0.002211028	0.119771137	0.000467931	0.002371237	0.001332578	0.000466402	0.005501814	0.491697136
2048-LDA-30	0.001152525	0.003233574	0.003336199	0.004868173	0.584921546	0.00223537	0.041902075	0.012206715	0.00427235	0.026282919	0
2048-LDA-30	0.000263111	0.029427211	0.005664632	0.006448806	0.178150565	0.001769832	0.0031	0.01222859	0.004280006	0.018392007	0
2048-LDA-30	0	0	0	0	0	0	0	0.005209092	0.001823182	0	0.365797645
2048-LDA-30	0.000528111	0.000569928	0.001734454	0.002530911	0.246241993	0.001444064	0.018296938	0.005210156	0.001823554	0.016978944	0.159634842
2048-LDT1-5	0.00755563	0.005798994	0.02226531	0.032489489	1.006816713	0.006203698	0.041526571	0.008379026	0.002932659	0.072941522	0
2048-LDT1-5	0.012490775	0.132829157	0.268919022	0.306146428	2.872779244	0.007988705	0.0031	0.008318529	0.002911485	0.083018223	0
2048-LDT1-5	0	0	0	0	0	0	0	0.001334148	0.000466952	0	0.694460555
2048-LDT1-5	0.000462131	0.000230892	0.001523101	0.002222505	0.120305831	0.000470245	0.002385029	0.001334676	0.000467137	0.005529017	0.491545975
2048-LDT1-30	0.001267703	0.003417494	0.003735459	0.005450773	0.637396644	0.002589277	0.041526358	0.015000101	0.005250035	0.030444065	0
2048-LDT1-30	0.000804803	0.055224543	0.017326932	0.01972556	0.185099583	0.003321354	0.0031	0.014891747	0.005212111	0.034515339	0
2048-LDT1-30	0	0	0	0	0	0	0	0.005216219	0.001825677	0	0.365797645
2048-LDT1-30	0.000527576	0.000567173	0.001738654	0.00253704	0.246604674	0.001447212	0.018354183	0.005218325	0.001826414	0.017015953	0.159332934
2048-LDT2-5	0.009248294	0.005894905	0.027930322	0.04075586	1.095955657	0.00642154	0.041828898	0.008246877	0.002886407	0.075502853	0
2048-LDT2-5	0.012386859	0.098328374	0.266681776	0.303599472	2.790303422	0.005913735	0.0031	0.008239805	0.002883932	0.061455234	0
2048-LDT2-5	0	0	0	0	0	0	0	0.001333509	0.000466728	0	0.694460555
2048-LDT2-5	0.000462919	0.000231274	0.001525755	0.002226379	0.120538133	0.000471092	0.002389151	0.001334063	0.000466922	0.005538981	0.49149441
2048-LDT2-30	0.001551674	0.003474023	0.004685779	0.006837477	0.693755558	0.002681221	0.041828801	0.014763484	0.00516722	0.031525121	0
2048-LDT2-30	0.000798828	0.040880637	0.017198291	0.019579111	0.179946611	0.002458672	0.0031	0.01475082	0.005162787	0.025550398	0
2048-LDT2-30	0	0	0	0	0	0	0	0.005213718	0.001824801	0	0.365797645
2048-LDT2-30	0.000528102	0.000567711	0.001740453	0.002539666	0.246897939	0.00144878	0.01837292	0.005215984	0.001825594	0.017034389	0.159204914
2048-LHDT1-5	0.003071629	0.001840353	0.010003591	0.014597217	1.413608476	0.012831468	0.045	0.078000022	0.027300008	0.150869178	0
2048-LHDT1-5	0.006672966	0.170568495	0.143665035	0.16355309	0.523808225	0.010258451	0.219214807	0.078000022	0.027300008	0.10660531	0
2048-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2048-LHDT1-30	Los Angeles	2048	LHDT1	Aggregate	30	Gasoline	259017.8824	259017.8824	0	0.01309681	0.000931065	0.001012618	611.3838837
2048-LHDT1-30	Los Angeles	2048	LHDT1	Aggregate	30	Diesel	160687.4771	160687.4771	0	0.173807746	0.015567068	0.016270942	542.707517
2048-LHDT1-30	Los Angeles	2048	LHDT1	Aggregate	30	Electricity	389665.7208	0	389665.7208	0	0	0	0
2048-LHDT2-5	Los Angeles	2048	LHDT2	Aggregate	5	Gasoline	94.78823971	94.78823971	0	0.024154489	0.002022877	0.002200063	1463.368589
2048-LHDT2-5	Los Angeles	2048	LHDT2	Aggregate	5	Diesel	158.3035891	158.3035891	0	0.594395189	0.04123706	0.043101617	1263.162883
2048-LHDT2-5	Los Angeles	2048	LHDT2	Aggregate	5	Electricity	222.2260954	0	222.2260954	0	0	0	0
2048-LHDT2-30	Los Angeles	2048	LHDT2	Aggregate	30	Gasoline	35249.62849	35249.62849	0	0.016741183	0.00093205	0.00101369	690.0394972
2048-LHDT2-30	Los Angeles	2048	LHDT2	Aggregate	30	Diesel	74769.94466	74769.94466	0	0.243453056	0.019482016	0.020362907	632.506188
2048-LHDT2-30	Los Angeles	2048	LHDT2	Aggregate	30	Electricity	96606.75381	0	96606.75381	0	0	0	0
2048-MHDT-5	Los Angeles	2048	MHDT	Aggregate	5	Gasoline	203.4462383	203.4462383	0	0.112711001	0.007131711	0.007756387	3321.261182
2048-MHDT-5	Los Angeles	2048	MHDT	Aggregate	5	Diesel	1461.862256	1461.862256	0	1.670037129	0.003967202	0.004146581	2090.032919
2048-MHDT-5	Los Angeles	2048	MHDT	Aggregate	5	Electricity	1832.125446	0	1832.125446	0	0	0	0
2048-MHDT-5	Los Angeles	2048	MHDT	Aggregate	5	Natural Gas	25.86308855	25.86308855	0	0.237019805	0.004541055	0.004938812	2423.000582
2048-MHDT-30	Los Angeles	2048	MHDT	Aggregate	30	Gasoline	29985.29879	29985.29879	0	0.065626632	0.001200796	0.001305975	1390.074624
2048-MHDT-30	Los Angeles	2048	MHDT	Aggregate	30	Diesel	210407.4549	210407.4549	0	0.332770676	0.001355635	0.001416931	973.737153
2048-MHDT-30	Los Angeles	2048	MHDT	Aggregate	30	Electricity	262247.4681	0	262247.4681	0	0	0	0
2048-MHDT-30	Los Angeles	2048	MHDT	Aggregate	30	Natural Gas	3927.917519	3927.917519	0	0.068394975	0.001644363	0.001788395	959.7560867
2049-HHDT-5	Los Angeles	2049	HHDT	Aggregate	5	Gasoline	0.128685524	0.128685524	0	4.143058569	0.007160752	0.007787971	3841.061433
2049-HHDT-5	Los Angeles	2049	HHDT	Aggregate	5	Diesel	850.8883794	850.8883794	0	9.910524528	0.010085089	0.010541092	2388.741309
2049-HHDT-5	Los Angeles	2049	HHDT	Aggregate	5	Electricity	187.1855143	0	187.1855143	0	0	0	0
2049-HHDT-5	Los Angeles	2049	HHDT	Aggregate	5	Natural Gas	37.29709972	37.29709972	0	0.864660565	0.006088306	0.006621588	4020.046753
2049-HHDT-30	Los Angeles	2049	HHDT	Aggregate	30	Gasoline	58.87314724	58.87314724	0	2.405941128	0.00120554	0.001311134	1625.809906
2049-HHDT-30	Los Angeles	2049	HHDT	Aggregate	30	Diesel	480389.2879	480389.2879	0	1.89207371	0.004621978	0.004830964	1298.688826
2049-HHDT-30	Los Angeles	2049	HHDT	Aggregate	30	Electricity	99862.35495	0	99862.35495	0	0	0	0
2049-HHDT-30	Los Angeles	2049	HHDT	Aggregate	30	Natural Gas	19208.27403	19208.27403	0	0.22937762	0.002314632	0.002517373	1372.400752
2049-LDA-5	Los Angeles	2049	LDA	Aggregate	5	Gasoline	127115.5968	127115.5968	0	0.033288	0.003165127	0.003442364	541.6355884
2049-LDA-5	Los Angeles	2049	LDA	Aggregate	5	Diesel	73.87518461	73.87518461	0	0.046544935	0.002068278	0.002161796	456.9202129
2049-LDA-5	Los Angeles	2049	LDA	Aggregate	5	Electricity	388833.3283	0	388833.3283	0	0	0	0
2049-LDA-5	Los Angeles	2049	LDA	Aggregate	5	Plug-in Hybrid	43643.99506	2463.898663	41180.09639	0.001378565	0.000179114	0.000194803	47.29748455
2049-LDA-30	Los Angeles	2049	LDA	Aggregate	30	Gasoline	18681860.88	18681860.88	0	0.019615046	0.000532957	0.000579639	225.9681736
2049-LDA-30	Los Angeles	2049	LDA	Aggregate	30	Diesel	10858.28878	10858.28878	0	0.012439718	0.00102228	0.001068503	186.4867542
2049-LDA-30	Los Angeles	2049	LDA	Aggregate	30	Electricity	2227800.533	0	2227800.533	0	0	0	0
2049-LDA-30	Los Angeles	2049	LDA	Aggregate	30	Plug-in Hybrid	830969.6361	362090.6649	468878.9711	0.003395407	0.00023279	0.00025318	146.0067206
2049-LDT1-5	Los Angeles	2049	LDT1	Aggregate	5	Gasoline	11051.17818	11051.17818	0	0.036451075	0.003434699	0.003735548	626.2229702
2049-LDT1-5	Los Angeles	2049	LDT1	Aggregate	5	Diesel	0.130810957	0.130810957	0	0.153227194	0.009302947	0.009723585	842.6728021
2049-LDT1-5	Los Angeles	2049	LDT1	Aggregate	5	Electricity	7647.833501	0	7647.833501	0	0	0	0
2049-LDT1-5	Los Angeles	2049	LDT1	Aggregate	5	Plug-in Hybrid	1944.649459	110.4052695	1834.244189	0.001385653	0.00017843	0.000194059	47.55547925
2049-LDT1-30	Los Angeles	2049	LDT1	Aggregate	30	Gasoline	1622331.463	1622331.463	0	0.021480043	0.000578344	0.000629002	261.3703409
2049-LDT1-30	Los Angeles	2049	LDT1	Aggregate	30	Diesel	19.20291484	19.20291484	0	0.035325388	0.004943642	0.005167171	350.3464282
2049-LDT1-30	Los Angeles	2049	LDT1	Aggregate	30	Electricity	43817.86825	0	43817.86825	0	0	0	0
2049-LDT1-30	Los Angeles	2049	LDT1	Aggregate	30	Plug-in Hybrid	37092.09356	16207.28261	20884.81095	0.003403622	0.000231223	0.000251476	146.3689846
2049-LDT2-5	Los Angeles	2049	LDT2	Aggregate	5	Gasoline	85640.8929	85640.8929	0	0.037932665	0.003243748	0.003527872	648.7448761
2049-LDT2-5	Los Angeles	2049	LDT2	Aggregate	5	Diesel	327.7968123	327.7968123	0	0.152453328	0.009125412	0.009538023	623.6926335
2049-LDT2-5	Los Angeles	2049	LDT2	Aggregate	5	Electricity	53201.51058	0	53201.51058	0	0	0	0
2049-LDT2-5	Los Angeles	2049	LDT2	Aggregate	5	Plug-in Hybrid	17046.92363	969.3145097	16077.60912	0.001387788	0.000179764	0.00019551	47.63214278
2049-LDT2-30	Los Angeles	2049	LDT2	Aggregate	30	Gasoline	12571946.64	12571946.64	0	0.022353032	0.000546171	0.00059401	270.8740285
2049-LDT2-30	Los Angeles	2049	LDT2	Aggregate	30	Diesel	48119.98938	48119.98938	0	0.035408982	0.004837327	0.00505605	259.3040972
2049-LDT2-30	Los Angeles	2049	LDT2	Aggregate	30	Electricity	304815.3155	0	304815.3155	0	0	0	0
2049-LDT2-30	Los Angeles	2049	LDT2	Aggregate	30	Plug-in Hybrid	325353.05	142292.4581	183060.5919	0.003406736	0.000232805	0.000253197	146.511246
2049-LHDT1-5	Los Angeles	2049	LHDT1	Aggregate	5	Gasoline	682.7393543	682.7393543	0	0.018218543	0.00202759	0.002205189	1295.172736
2049-LHDT1-5	Los Angeles	2049	LHDT1	Aggregate	5	Diesel	334.3008384	334.3008384	0	0.434112616	0.031901803	0.033344261	1081.910806

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2048-LHDT1-30	0.000716073	0.001264344	0.002322179	0.003388517	0.373121005	0.006044152	0.045	0.078000022	0.027300008	0.071065622	0
2048-LHDT1-30	0.003853147	0.08550379	0.082955979	0.094439866	0.185601799	0.00514243	0.219237266	0.078000022	0.027300008	0.053439869	0
2048-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2048-LHDT2-5	0.002778708	0.002507746	0.008907347	0.01299758	1.436543336	0.014466888	0.045	0.091000026	0.031850009	0.170098039	0
2048-LHDT2-5	0.008351112	0.199011827	0.179794524	0.204684113	0.651208173	0.01196911	0.216898966	0.091000026	0.031850009	0.124382392	0
2048-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2048-LHDT2-30	0.000653197	0.001751469	0.002089148	0.00304848	0.378173965	0.006821743	0.045	0.091000026	0.031850009	0.08020834	0
2048-LHDT2-30	0.004700852	0.099651608	0.101206572	0.115216954	0.229774488	0.005993318	0.216978534	0.091000026	0.031850009	0.062282255	0
2048-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2048-MHDT-5	0.015891129	0.011725106	0.057868139	0.084441053	0.335112502	0.032834048	0.045	0.061495877	0.021523557	0.386054489	0
2048-MHDT-5	0.003053629	0.329285537	0.0657438	0.074844312	0.247852944	0.019791362	0.219905736	0.061495877	0.021523557	0.205803461	0
2048-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2048-MHDT-5	3.692783812	0.493944519	0.052762594	3.768756737	8.67268383	0	1.06	0.061495877	0.021523557	0.308715325	0
2048-MHDT-30	0.002671395	0.006817498	0.009738551	0.014210471	0.215557189	0.013742303	0.045	0.044398761	0.015539566	0.161578545	0
2048-MHDT-30	0.000210848	0.153412685	0.004539498	0.005167873	0.048617959	0.009220709	0.219889369	0.044398761	0.015539566	0.095882928	0
2048-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2048-MHDT-30	0.757586602	0.195652557	0.010824418	0.773172694	3.723485263	0	1.06	0.044398761	0.015539566	0.122282848	0
2049-HHDT-5	0.514372477	0.184313167	2.263996497	3.303618374	57.61750054	0.037972803	0.045	0.150904026	0.052816409	0.446474676	0
2049-HHDT-5	0.004985277	0.376347166	0.107331653	0.122188917	0.880798529	0.022619952	0.219884454	0.150964959	0.052837736	0.235216979	0
2049-HHDT-5	0	0	0	0	0	0	0	0.077947531	0.027281636	0	5.90886243
2049-HHDT-5	5.073945169	0.819512829	0.077655015	5.184210244	40.04465389	0	0.822709651	0.179584236	0.062854483	0.512195518	0
2049-HHDT-30	0.086563055	0.106959758	0.381237248	0.556300498	37.08440729	0.016072786	0.045	0.140431048	0.049150867	0.188979782	0
2049-HHDT-30	0.000455682	0.204608953	0.009810706	0.011168742	0.121838787	0.012297807	0.219894644	0.140486905	0.049170417	0.127880596	0
2049-HHDT-30	0	0	0	0	0	0	0	0.072761139	0.025466399	0	1.5235044
2049-HHDT-30	1.03197356	0.279772871	0.015328328	1.053869465	9.70313995	0	0.845454244	0.170995849	0.059848547	0.174858045	0
2049-LDA-5	0.006855809	0.005483342	0.019840154	0.028950706	0.922920483	0.005354619	0.04191687	0.005929879	0.002075458	0.062958268	0
2049-LDA-5	0.003949404	0.071987966	0.085028347	0.09679912	2.731928711	0.004329551	0.0031	0.005939183	0.002078714	0.044992479	0
2049-LDA-5	0	0	0	0	0	0	0	0.001332363	0.000466327	0	0.694460555
2049-LDA-5	0.000460783	0.000231068	0.001514112	0.002209389	0.119682142	0.000467584	0.002369676	0.001332594	0.000466408	0.005497733	0.49171896
2049-LDA-30	0.001150629	0.003231344	0.003329401	0.004858255	0.584555724	0.002233925	0.041916768	0.012206958	0.004272435	0.026265934	0
2049-LDA-30	0.00025893	0.029381064	0.005574605	0.006346317	0.177054158	0.001767057	0.0031	0.012226182	0.004279164	0.018363165	0
2049-LDA-30	0	0	0	0	0	0	0	0.005209238	0.001823233	0	0.365797645
2049-LDA-30	0.000527672	0.000569239	0.001733687	0.002529792	0.246132892	0.001443425	0.018290364	0.005210193	0.001823568	0.016971429	0.159689409
2049-LDT1-5	0.007523768	0.005789649	0.022143525	0.032311779	1.004779808	0.006190852	0.041590001	0.008379785	0.002932925	0.072790478	0
2049-LDT1-5	0.012501924	0.132763443	0.26915907	0.306419706	2.881554805	0.007984753	0.0031	0.008326939	0.002914429	0.082977152	0
2049-LDT1-5	0	0	0	0	0	0	0	0.001334327	0.000467014	0	0.694460555
2049-LDT1-5	0.000461627	0.000230443	0.001522764	0.002222014	0.12027414	0.000470134	0.002384502	0.001334877	0.000467207	0.005527721	0.49155251
2049-LDT1-30	0.001262352	0.003411984	0.00371501	0.005420934	0.636103895	0.002583912	0.041589829	0.015001449	0.005250507	0.030380987	0
2049-LDT1-30	0.000805521	0.055197222	0.017342397	0.019743166	0.185664954	0.00331971	0.0031	0.014906801	0.00521738	0.034498264	0
2049-LDT1-30	0	0	0	0	0	0	0	0.005216917	0.001825921	0	0.365797645
2049-LDT1-30	0.000527048	0.000566121	0.001738426	0.002536708	0.246563756	0.001447006	0.018351778	0.005219106	0.001826687	0.017013538	0.159349137
2049-LDT2-5	0.009239939	0.005889018	0.027898271	0.040709091	1.095051762	0.006413504	0.041857655	0.008248193	0.002886868	0.075408364	0
2049-LDT2-5	0.012390897	0.098263028	0.266768725	0.303698457	2.79353061	0.005909805	0.0031	0.008242875	0.002885006	0.061414393	0
2049-LDT2-5	0	0	0	0	0	0	0	0.001333598	0.000466759	0	0.694460555
2049-LDT2-5	0.000462459	0.000230914	0.001525117	0.002225447	0.120485561	0.000470892	0.002388155	0.001334148	0.000466952	0.005536632	0.491506815
2049-LDT2-30	0.001550271	0.003470553	0.004680396	0.006829623	0.693182415	0.002677866	0.041857579	0.014765838	0.005168043	0.03148567	0
2049-LDT2-30	0.000799036	0.040853466	0.017202784	0.019584226	0.180142977	0.002457038	0.0031	0.014756315	0.00516471	0.025533416	0
2049-LDT2-30	0	0	0	0	0	0	0	0.005214069	0.001824924	0	0.365797645
2049-LDT2-30	0.000527667	0.000566924	0.00174002	0.002539034	0.246833003	0.001448413	0.018368376	0.005216303	0.001825706	0.017030074	0.159235719
2049-LHDT1-5	0.00303144	0.001776503	0.009829768	0.014343574	1.415117016	0.012804101	0.045	0.078000022	0.027300008	0.150547404	0
2049-LHDT1-5	0.006600817	0.170455488	0.142111712	0.161784735	0.517912126	0.010251655	0.219435643	0.078000022	0.027300008	0.10653468	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2049-LHDT1-5	Los Angeles	2049	LHDT1	Aggregate	5	Electricity	980.2032635	0	980.2032635	0	0	0	0
2049-LHDT1-30	Los Angeles	2049	LHDT1	Aggregate	30	Gasoline	253931.8157	253931.8157	0	0.012393091	0.000933686	0.001015468	610.3809387
2049-LHDT1-30	Los Angeles	2049	LHDT1	Aggregate	30	Diesel	158011.5156	158011.5156	0	0.168359078	0.015377511	0.016072814	542.3949472
2049-LHDT1-30	Los Angeles	2049	LHDT1	Aggregate	30	Electricity	395962.7225	0	395962.7225	0	0	0	0
2049-LHDT2-5	Los Angeles	2049	LHDT2	Aggregate	5	Gasoline	92.85754865	92.85754865	0	0.023345761	0.002027822	0.002205441	1460.537142
2049-LHDT2-5	Los Angeles	2049	LHDT2	Aggregate	5	Diesel	155.8236367	155.8236367	0	0.578282533	0.040482061	0.04231248	1262.068356
2049-LHDT2-5	Los Angeles	2049	LHDT2	Aggregate	5	Electricity	226.4271384	0	226.4271384	0	0	0	0
2049-LHDT2-30	Los Angeles	2049	LHDT2	Aggregate	30	Gasoline	34532.73886	34532.73886	0	0.016256403	0.000934624	0.001016489	688.8985402
2049-LHDT2-30	Los Angeles	2049	LHDT2	Aggregate	30	Diesel	73608.58596	73608.58596	0	0.2349263	0.019193168	0.020060998	632.0826029
2049-LHDT2-30	Los Angeles	2049	LHDT2	Aggregate	30	Electricity	98439.53585	0	98439.53585	0	0	0	0
2049-MHDT-5	Los Angeles	2049	MHDT	Aggregate	5	Gasoline	198.9542793	198.9542793	0	0.111228034	0.007140732	0.007766197	3314.646422
2049-MHDT-5	Los Angeles	2049	MHDT	Aggregate	5	Diesel	1474.6904	1474.6904	0	1.651772055	0.003946398	0.004124836	2083.989148
2049-MHDT-5	Los Angeles	2049	MHDT	Aggregate	5	Electricity	1898.069087	0	1898.069087	0	0	0	0
2049-MHDT-5	Los Angeles	2049	MHDT	Aggregate	5	Natural Gas	25.80235381	25.80235381	0	0.227508241	0.004563233	0.004962933	2419.81039
2049-MHDT-30	Los Angeles	2049	MHDT	Aggregate	30	Gasoline	29322.2536	29322.2536	0	0.064761488	0.001202319	0.001307632	1387.299712
2049-MHDT-30	Los Angeles	2049	MHDT	Aggregate	30	Diesel	212258.9783	212258.9783	0	0.326972684	0.001341921	0.001402597	971.0812476
2049-MHDT-30	Los Angeles	2049	MHDT	Aggregate	30	Electricity	271598.298	0	271598.298	0	0	0	0
2049-MHDT-30	Los Angeles	2049	MHDT	Aggregate	30	Natural Gas	3913.782461	3913.782461	0	0.067101119	0.00165197	0.001796668	958.7217123
2050-HHDT-5	Los Angeles	2050	HHDT	Aggregate	5	Gasoline	0.126611365	0.126611365	0	4.213912158	0.007163059	0.00779048	3832.719419
2050-HHDT-5	Los Angeles	2050	HHDT	Aggregate	5	Diesel	872.9115675	872.9115675	0	9.90926396	0.010083033	0.010538943	2384.589795
2050-HHDT-5	Los Angeles	2050	HHDT	Aggregate	5	Electricity	193.1892023	0	193.1892023	0	0	0	0
2050-HHDT-5	Los Angeles	2050	HHDT	Aggregate	5	Natural Gas	37.06693552	37.06693552	0	0.811819778	0.006122249	0.006658504	4004.603991
2050-HHDT-30	Los Angeles	2050	HHDT	Aggregate	30	Gasoline	57.91761322	57.91761322	0	2.446972428	0.001205958	0.001311589	1621.667102
2050-HHDT-30	Los Angeles	2050	HHDT	Aggregate	30	Diesel	492932.0466	492932.0466	0	1.890428164	0.004614396	0.004823038	1296.682502
2050-HHDT-30	Los Angeles	2050	HHDT	Aggregate	30	Electricity	103065.0729	0	103065.0729	0	0	0	0
2050-HHDT-30	Los Angeles	2050	HHDT	Aggregate	30	Natural Gas	19124.85285	19124.85285	0	0.21837419	0.002320538	0.002523796	1370.277479
2050-LDA-5	Los Angeles	2050	LDA	Aggregate	5	Gasoline	126583.798	126583.798	0	0.03327229	0.00315053	0.003426488	541.3471727
2050-LDA-5	Los Angeles	2050	LDA	Aggregate	5	Diesel	73.34765137	73.34765137	0	0.045350818	0.001894177	0.001979823	456.2547669
2050-LDA-5	Los Angeles	2050	LDA	Aggregate	5	Electricity	387706.0915	0	387706.0915	0	0	0	0
2050-LDA-5	Los Angeles	2050	LDA	Aggregate	5	Plug-in Hybrid	43479.17845	2453.186073	41025.99238	0.001377775	0.000178083	0.000193681	47.27031425
2050-LDA-30	Los Angeles	2050	LDA	Aggregate	30	Gasoline	18603749.12	18603749.12	0	0.019605766	0.000530494	0.000576961	225.8477613
2050-LDA-30	Los Angeles	2050	LDA	Aggregate	30	Diesel	10780.66117	10780.66117	0	0.011346559	0.000966924	0.001010644	186.2144452
2050-LDA-30	Los Angeles	2050	LDA	Aggregate	30	Electricity	2221342.088	0	2221342.088	0	0	0	0
2050-LDA-30	Los Angeles	2050	LDA	Aggregate	30	Plug-in Hybrid	827641.344	360517.0102	467124.3338	0.003394247	0.000231501	0.000251778	145.9566993
2050-LDT1-5	Los Angeles	2050	LDT1	Aggregate	5	Gasoline	11010.87413	11010.87413	0	0.036398382	0.003396039	0.003693502	625.1686978
2050-LDT1-5	Los Angeles	2050	LDT1	Aggregate	5	Diesel	0.130900424	0.130900424	0	0.153314904	0.00932232	0.009743834	842.3094559
2050-LDT1-5	Los Angeles	2050	LDT1	Aggregate	5	Electricity	7678.409312	0	7678.409312	0	0	0	0
2050-LDT1-5	Los Angeles	2050	LDT1	Aggregate	5	Plug-in Hybrid	1955.384102	110.9937889	1844.390313	0.001385392	0.000177927	0.000193511	47.5459502
2050-LDT1-30	Los Angeles	2050	LDT1	Aggregate	30	Gasoline	1616411.959	1616411.959	0	0.021448965	0.000571832	0.000621919	260.9302425
2050-LDT1-30	Los Angeles	2050	LDT1	Aggregate	30	Diesel	19.21606635	19.21606635	0	0.035345607	0.004953936	0.005177931	350.1953667
2050-LDT1-30	Los Angeles	2050	LDT1	Aggregate	30	Electricity	43993.05078	0	43993.05078	0	0	0	0
2050-LDT1-30	Los Angeles	2050	LDT1	Aggregate	30	Plug-in Hybrid	37294.02951	16293.6942	21000.33531	0.003403242	0.000230588	0.000250786	146.3511946
2050-LDT2-5	Los Angeles	2050	LDT2	Aggregate	5	Gasoline	85333.67205	85333.67205	0	0.037915633	0.003226044	0.003508617	648.0517484
2050-LDT2-5	Los Angeles	2050	LDT2	Aggregate	5	Diesel	326.9151251	326.9151251	0	0.152420539	0.009120168	0.009532541	623.313508
2050-LDT2-5	Los Angeles	2050	LDT2	Aggregate	5	Electricity	53171.56835	0	53171.56835	0	0	0	0
2050-LDT2-5	Los Angeles	2050	LDT2	Aggregate	5	Plug-in Hybrid	17037.6605	968.453158	16069.20734	0.00138731	0.000179103	0.000194791	47.6154503
2050-LDT2-30	Los Angeles	2050	LDT2	Aggregate	30	Gasoline	12526848.95	12526848.95	0	0.022342977	0.00054319	0.000590768	270.5847141
2050-LDT2-30	Los Angeles	2050	LDT2	Aggregate	30	Diesel	47990.6001	47990.6001	0	0.035322061	0.004838175	0.005056936	259.1464736
2050-LDT2-30	Los Angeles	2050	LDT2	Aggregate	30	Electricity	304643.763	0	304643.763	0	0	0	0
2050-LDT2-30	Los Angeles	2050	LDT2	Aggregate	30	Plug-in Hybrid	325131.1082	142166.1795	182964.9288	0.003406037	0.000231982	0.000252301	146.4805594
2050-LHDT1-5	Los Angeles	2050	LHDT1	Aggregate	5	Gasoline	670.5877543	670.5877543	0	0.017313998	0.002030993	0.00220889	1293.049083

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2049-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2049-LHDT1-30	0.000709891	0.001227732	0.002294503	0.003348134	0.373041927	0.006034237	0.045	0.078000022	0.027300008	0.070949043	0
2049-LHDT1-30	0.003825104	0.085454545	0.082352228	0.093752537	0.183633521	0.005139468	0.219450988	0.078000022	0.027300008	0.053409091	0
2049-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2049-LHDT2-5	0.002746093	0.002464835	0.008766847	0.012792562	1.436799378	0.014438897	0.045	0.091000026	0.031850009	0.169768919	0
2049-LHDT2-5	0.00822602	0.198839383	0.177101365	0.20161813	0.64226891	0.011958739	0.21726465	0.091000026	0.031850009	0.124274615	0
2049-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2049-LHDT2-30	0.000647338	0.001725935	0.002063358	0.003010846	0.377976626	0.006810463	0.045	0.091000026	0.031850009	0.080075718	0
2049-LHDT2-30	0.00465416	0.099584872	0.100201314	0.114072535	0.226839125	0.005989304	0.217330418	0.091000026	0.031850009	0.062240545	0
2049-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2049-MHDT-5	0.015305717	0.011610127	0.056044247	0.081779633	0.32616172	0.032768654	0.045	0.061495877	0.021523557	0.385285607	0
2049-MHDT-5	0.003039985	0.328333339	0.065450035	0.074509882	0.245623827	0.019734131	0.219931169	0.061495877	0.021523557	0.205208337	0
2049-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2049-MHDT-5	3.68982799	0.493294178	0.052720361	3.765740104	8.693707554	0	1.06	0.061495877	0.021523557	0.308308861	0
2049-MHDT-30	0.002573041	0.006750532	0.00943155	0.013762496	0.209800851	0.01371487	0.045	0.044398761	0.015539566	0.161255997	0
2049-MHDT-30	0.000208444	0.152994246	0.004487733	0.005108942	0.048314778	0.009195559	0.219919214	0.044398761	0.015539566	0.095621404	0
2049-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2049-MHDT-30	0.758655447	0.195441693	0.010839689	0.774263529	3.727404679	0	1.06	0.044398761	0.015539566	0.122151058	0
2050-HHDT-5	0.492981512	0.180973045	2.172399015	3.169959544	55.58841389	0.037890333	0.045	0.150989855	0.052846449	0.445505023	0
2050-HHDT-5	0.004980822	0.375693093	0.107235741	0.122079728	0.88026492	0.022580639	0.219921599	0.151013992	0.052854897	0.234808183	0
2050-HHDT-5	0	0	0	0	0	0	0	0.077925165	0.027273808	0	5.90886243
2050-HHDT-5	5.021188359	0.816364721	0.07367172	5.126688595	39.52731387	0	0.826400628	0.179198659	0.062719531	0.51022795	0
2050-HHDT-30	0.082962218	0.105007241	0.365812002	0.533792015	35.77829815	0.01603183	0.045	0.140510793	0.049178778	0.188498233	0
2050-HHDT-30	0.000454744	0.204292856	0.009790524	0.011145766	0.121744603	0.012278808	0.219928585	0.140532561	0.049186396	0.127683035	0
2050-HHDT-30	0	0	0	0	0	0	0	0.072738158	0.025458355	0	1.5235044
2050-HHDT-30	1.025975352	0.279340028	0.014876935	1.047331212	9.666336263	0	0.849181997	0.17052562	0.059683967	0.174587518	0
2050-LDA-5	0.006846774	0.005480032	0.019808848	0.028905024	0.922494394	0.005351768	0.041929919	0.00593001	0.002075504	0.062924743	0
2050-LDA-5	0.003909005	0.071883124	0.084158567	0.095808933	2.721744712	0.004323246	0.0031	0.005938131	0.002078346	0.044926953	0
2050-LDA-5	0	0	0	0	0	0	0	0.001332396	0.000466339	0	0.694460555
2050-LDA-5	0.000460337	0.000230757	0.001513243	0.002208121	0.119613183	0.000467315	0.002368477	0.00133261	0.000466413	0.005494575	0.491735836
2050-LDA-30	0.001149111	0.003229392	0.003324139	0.004850577	0.584285829	0.002232735	0.041929831	0.012207228	0.00427253	0.026251938	0
2050-LDA-30	0.000254234	0.029338162	0.005473499	0.006231214	0.175929681	0.001764477	0.0031	0.01222401	0.004278404	0.018336351	0
2050-LDA-30	0	0	0	0	0	0	0	0.005209368	0.001823279	0	0.365797645
2050-LDA-30	0.000527284	0.000568606	0.001733094	0.002528927	0.246048337	0.001442931	0.018285345	0.005210236	0.001823583	0.016965615	0.159731595
2050-LDT1-5	0.007498112	0.00578225	0.02204681	0.032170654	1.003429523	0.006180429	0.041640804	0.008380966	0.002933338	0.072667932	0
2050-LDT1-5	0.012511807	0.132706198	0.269371846	0.306661938	2.889333417	0.00798131	0.0031	0.008334394	0.002917038	0.082941374	0
2050-LDT1-5	0	0	0	0	0	0	0	0.001334482	0.000467069	0	0.694460555
2050-LDT1-5	0.000461159	0.000230023	0.001522477	0.002221595	0.120246964	0.00047004	0.002384053	0.001335057	0.00046727	0.005526614	0.491558088
2050-LDT1-30	0.001258045	0.003407623	0.003698773	0.00539724	0.635247107	0.002579561	0.04164066	0.015003554	0.005251244	0.030329831	0
2050-LDT1-30	0.000806158	0.055173423	0.017356105	0.019758772	0.186166091	0.003318279	0.0031	0.014920145	0.005222051	0.034483389	0
2050-LDT1-30	0	0	0	0	0	0	0	0.005217525	0.001826134	0	0.365797645
2050-LDT1-30	0.000526554	0.000565132	0.001738232	0.002536424	0.246528579	0.001446831	0.018349724	0.005219802	0.001826931	0.01701147	0.159362976
2050-LDT2-5	0.009233161	0.005884077	0.027873814	0.040673404	1.094552315	0.006406651	0.041882763	0.008249586	0.002887355	0.075327797	0
2050-LDT2-5	0.01239443	0.098203297	0.266844787	0.303785049	2.796502809	0.005906212	0.0031	0.008245636	0.002885972	0.061377061	0
2050-LDT2-5	0	0	0	0	0	0	0	0.001333675	0.000466786	0	0.694460555
2050-LDT2-5	0.000462042	0.000230581	0.00152459	0.002224678	0.120442037	0.000470727	0.002387332	0.001334223	0.000466978	0.005534692	0.491517051
2050-LDT2-30	0.001549133	0.003467641	0.004676288	0.006823628	0.69286554	0.002675005	0.041882707	0.014768329	0.005168915	0.031452041	0
2050-LDT2-30	0.000799061	0.040828632	0.017203321	0.019584837	0.180289146	0.002455545	0.0031	0.014761255	0.005166439	0.025517895	0
2050-LDT2-30	0	0	0	0	0	0	0	0.005214367	0.001825028	0	0.365797645
2050-LDT2-30	0.000527266	0.000566184	0.001739663	0.002538512	0.246779152	0.001448109	0.018364623	0.005216587	0.001825806	0.017026507	0.159261147
2050-LHDT1-5	0.003002006	0.001729068	0.009701667	0.01415665	1.415868495	0.012783107	0.045	0.078000022	0.027300008	0.150300556	0

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Total VMT	CVMT	EVMT	NOx_RUNEX	PM2.5_RUNEX	PM10_RUNEX	CO2_RUNEX
2050-LHDT1-5	Los Angeles	2050	LHDT1	Aggregate	5	Diesel	329.029441	329.029441	0	0.425144568	0.031509958	0.032934698	1081.269678
2050-LHDT1-5	Los Angeles	2050	LHDT1	Aggregate	5	Electricity	993.2199653	0	993.2199653	0	0	0	0
2050-LHDT1-30	Los Angeles	2050	LHDT1	Aggregate	30	Gasoline	249415.7382	249415.7382	0	0.011867747	0.000935638	0.001017592	609.5998671
2050-LHDT1-30	Los Angeles	2050	LHDT1	Aggregate	30	Diesel	155532.4536	155532.4536	0	0.163949324	0.015218178	0.015906277	542.1101562
2050-LHDT1-30	Los Angeles	2050	LHDT1	Aggregate	30	Electricity	401309.6224	0	401309.6224	0	0	0	0
2050-LHDT2-5	Los Angeles	2050	LHDT2	Aggregate	5	Gasoline	91.05931483	91.05931483	0	0.022621479	0.002032179	0.00221018	1458.023196
2050-LHDT2-5	Los Angeles	2050	LHDT2	Aggregate	5	Diesel	153.3275588	153.3275588	0	0.55311268	0.039228534	0.041002274	1260.759352
2050-LHDT2-5	Los Angeles	2050	LHDT2	Aggregate	5	Electricity	230.0894789	0	230.0894789	0	0	0	0
2050-LHDT2-30	Los Angeles	2050	LHDT2	Aggregate	30	Gasoline	33864.92107	33864.92107	0	0.015821657	0.000936899	0.001018963	687.8857643
2050-LHDT2-30	Los Angeles	2050	LHDT2	Aggregate	30	Diesel	72440.3545	72440.3545	0	0.221000798	0.018716112	0.019562371	631.6385642
2050-LHDT2-30	Los Angeles	2050	LHDT2	Aggregate	30	Electricity	100037.7067	0	100037.7067	0	0	0	0
2050-MHDT-5	Los Angeles	2050	MHDT	Aggregate	5	Gasoline	195.0187212	195.0187212	0	0.110023034	0.007148856	0.007775034	3308.90233
2050-MHDT-5	Los Angeles	2050	MHDT	Aggregate	5	Diesel	1490.690301	1490.690301	0	1.635394337	0.003927464	0.004105047	2078.63914
2050-MHDT-5	Los Angeles	2050	MHDT	Aggregate	5	Electricity	1962.088339	0	1962.088339	0	0	0	0
2050-MHDT-5	Los Angeles	2050	MHDT	Aggregate	5	Natural Gas	25.79856024	25.79856024	0	0.218830132	0.004583284	0.00498474	2416.954668
2050-MHDT-30	Los Angeles	2050	MHDT	Aggregate	30	Gasoline	28741.50408	28741.50408	0	0.0640591	0.001203688	0.00130912	1384.884647
2050-MHDT-30	Los Angeles	2050	MHDT	Aggregate	30	Diesel	214562.6852	214562.6852	0	0.321734049	0.001329435	0.001389546	968.7319135
2050-MHDT-30	Los Angeles	2050	MHDT	Aggregate	30	Electricity	280669.8008	0	280669.8008	0	0	0	0
2050-MHDT-30	Los Angeles	2050	MHDT	Aggregate	30	Natural Gas	3908.098741	3908.098741	0	0.065935801	0.001658851	0.001804152	957.7962629

Index	CH4_RUNEX	N2O_RUNEX	ROG_RUNEX	TOG_RUNEX	CO_RUNEX	SOx_RUNEX	NH3_RUNEX	PM10_PMBW	PM2.5_PMBW	Fuel Consumption	Energy Consumption
2050-LHDT1-5	0.006544326	0.170354478	0.140895483	0.16040014	0.512957844	0.01024558	0.219605427	0.078000022	0.027300008	0.106471549	0
2050-LHDT1-5	0	0	0	0	0	0	0	0.039000011	0.013650004	0	1.879248047
2050-LHDT1-30	0.000705343	0.001200366	0.002273958	0.003318155	0.372890977	0.006026515	0.045	0.078000022	0.027300008	0.070858253	0
2050-LHDT1-30	0.003802681	0.085409676	0.081869489	0.093202971	0.181964219	0.005136769	0.219616234	0.078000022	0.027300008	0.053381047	0
2050-LHDT1-30	0	0	0	0	0	0	0	0.039000011	0.013650004	0	0.484533648
2050-LHDT2-5	0.002717378	0.002426663	0.008642098	0.012610529	1.436768974	0.014414044	0.045	0.091000026	0.031850009	0.169476705	0
2050-LHDT2-5	0.00801083	0.198633149	0.172468462	0.196343877	0.627686804	0.011946336	0.217901956	0.091000026	0.031850009	0.124145718	0
2050-LHDT2-5	0	0	0	0	0	0	0	0.045500013	0.015925005	0	1.879248047
2050-LHDT2-30	0.000642191	0.001703208	0.002040466	0.002977443	0.377732791	0.006800451	0.045	0.091000026	0.031850009	0.079957996	0
2050-LHDT2-30	0.004573931	0.099514913	0.098474045	0.112106153	0.222032903	0.005985096	0.21794953	0.091000026	0.031850009	0.062196821	0
2050-LHDT2-30	0	0	0	0	0	0	0	0.045500013	0.015925005	0	0.484533648
2050-MHDT-5	0.014888941	0.011621882	0.055176124	0.080512871	0.301877438	0.032711868	0.045	0.061495877	0.021523557	0.384617929	0
2050-MHDT-5	0.003026971	0.327490443	0.06516985	0.074190914	0.243568918	0.01968347	0.219953572	0.061495877	0.021523557	0.204681527	0
2050-MHDT-5	0	0	0	0	0	0	0	0.030747939	0.010761779	0	3.515312031
2050-MHDT-5	3.687175811	0.49271202	0.052682467	3.76303336	8.712687257	0	1.06	0.061495877	0.021523557	0.307945013	0
2050-MHDT-30	0.002503112	0.006757731	0.009285427	0.013549273	0.19418204	0.013690995	0.045	0.044398761	0.015539566	0.160975276	0
2050-MHDT-30	0.000206133	0.152624107	0.004437985	0.005052309	0.048035866	0.009173312	0.219945484	0.044398761	0.015539566	0.095390067	0
2050-MHDT-30	0	0	0	0	0	0	0	0.02219938	0.007769783	0	0.906366227
2050-MHDT-30	0.759621337	0.195253034	0.01085349	0.775249291	3.73096737	0	1.06	0.044398761	0.015539566	0.122033146	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Los Angeles
Calendar Year: 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips
2041-HHDT	Los Angeles	2041	HHDT	Aggregate	Aggregate	Gasoline	11.297202	1314.567297	1314.567297	0	226.0344176
2041-HHDT	Los Angeles	2041	HHDT	Aggregate	Aggregate	Diesel	66514.02584	9078111.752	9078111.752	0	1097496.016
2041-HHDT	Los Angeles	2041	HHDT	Aggregate	Aggregate	Electricity	15753.59936	1564170.94	0	1564170.94	195641.9566
2041-HHDT	Los Angeles	2041	HHDT	Aggregate	Aggregate	Natural Gas	6518.583824	400575.158	400575.158	0	45793.36531
2041-MHDT	Los Angeles	2041	MHDT	Aggregate	Aggregate	Gasoline	8150.017953	389462.4507	389462.4507	0	163065.5592
2041-MHDT	Los Angeles	2041	MHDT	Aggregate	Aggregate	Diesel	53642.47425	2137489.646	2137489.646	0	665137.1779
2041-MHDT	Los Angeles	2041	MHDT	Aggregate	Aggregate	Electricity	38800.99434	1847987.742	0	1847987.742	516238.4012
2041-MHDT	Los Angeles	2041	MHDT	Aggregate	Aggregate	Natural Gas	1090.499327	43292.91983	43292.91983	0	9661.768832
2042-HHDT	Los Angeles	2042	HHDT	Aggregate	Aggregate	Gasoline	10.88598365	1264.322639	1264.322639	0	217.8067608
2042-HHDT	Los Angeles	2042	HHDT	Aggregate	Aggregate	Diesel	67547.88444	9269934.334	9269934.334	0	1119653.518
2042-HHDT	Los Angeles	2042	HHDT	Aggregate	Aggregate	Electricity	16937.47606	1658066.258	0	1658066.258	209549.3729
2042-HHDT	Los Angeles	2042	HHDT	Aggregate	Aggregate	Natural Gas	6439.997058	395956.0369	395956.0369	0	45563.35375
2042-MHDT	Los Angeles	2042	MHDT	Aggregate	Aggregate	Gasoline	7840.246646	373366.0795	373366.0795	0	156867.6549
2042-MHDT	Los Angeles	2042	MHDT	Aggregate	Aggregate	Diesel	52915.51976	2118383.769	2118383.769	0	656679.4111
2042-MHDT	Los Angeles	2042	MHDT	Aggregate	Aggregate	Electricity	41869.63471	1971101.261	0	1971101.261	556689.9202
2042-MHDT	Los Angeles	2042	MHDT	Aggregate	Aggregate	Natural Gas	1073.850259	42673.22906	42673.22906	0	9550.166027
2043-HHDT	Los Angeles	2043	HHDT	Aggregate	Aggregate	Gasoline	10.51484035	1219.363754	1219.363754	0	210.3809258
2043-HHDT	Los Angeles	2043	HHDT	Aggregate	Aggregate	Diesel	68684.60195	9475248.105	9475248.105	0	1143610.425
2043-HHDT	Los Angeles	2043	HHDT	Aggregate	Aggregate	Electricity	18101.24983	1747411.793	0	1747411.793	223172.5577
2043-HHDT	Los Angeles	2043	HHDT	Aggregate	Aggregate	Natural Gas	6363.506056	391557.0849	391557.0849	0	45352.45371
2043-MHDT	Los Angeles	2043	MHDT	Aggregate	Aggregate	Gasoline	7539.213071	358795.9776	358795.9776	0	150844.5751
2043-MHDT	Los Angeles	2043	MHDT	Aggregate	Aggregate	Diesel	52317.21142	2104884.643	2104884.643	0	649847.4758
2043-MHDT	Los Angeles	2043	MHDT	Aggregate	Aggregate	Electricity	44880.4066	2089233.819	0	2089233.819	596309.9963
2043-MHDT	Los Angeles	2043	MHDT	Aggregate	Aggregate	Natural Gas	1058.215018	42123.36418	42123.36418	0	9452.427986
2044-HHDT	Los Angeles	2044	HHDT	Aggregate	Aggregate	Gasoline	10.1724355	1179.083847	1179.083847	0	203.5300895
2044-HHDT	Los Angeles	2044	HHDT	Aggregate	Aggregate	Diesel	69905.09813	9693213.409	9693213.409	0	1169158.399
2044-HHDT	Los Angeles	2044	HHDT	Aggregate	Aggregate	Electricity	19242.5429	1832710.456	0	1832710.456	236502.2317
2044-HHDT	Los Angeles	2044	HHDT	Aggregate	Aggregate	Natural Gas	6298.906864	387987.4904	387987.4904	0	45218.17026
2044-MHDT	Los Angeles	2044	MHDT	Aggregate	Aggregate	Gasoline	7261.52318	345802.2626	345802.2626	0	145288.5558
2044-MHDT	Los Angeles	2044	MHDT	Aggregate	Aggregate	Diesel	51843.6272	2096666.18	2096666.18	0	644600.1607
2044-MHDT	Los Angeles	2044	MHDT	Aggregate	Aggregate	Electricity	47835.6522	2202814.44	0	2202814.44	635111.539
2044-MHDT	Los Angeles	2044	MHDT	Aggregate	Aggregate	Natural Gas	1043.758273	41643.73733	41643.73733	0	9368.887491
2045-HHDT	Los Angeles	2045	HHDT	Aggregate	Aggregate	Gasoline	9.808744743	1142.594283	1142.594283	0	196.2533648
2045-HHDT	Los Angeles	2045	HHDT	Aggregate	Aggregate	Diesel	71223.05149	9924437.324	9924437.324	0	1196281.204
2045-HHDT	Los Angeles	2045	HHDT	Aggregate	Aggregate	Electricity	20357.95647	1914337.207	0	1914337.207	249507.977
2045-HHDT	Los Angeles	2045	HHDT	Aggregate	Aggregate	Natural Gas	6235.481903	384607.3711	384607.3711	0	45103.25232
2045-MHDT	Los Angeles	2045	MHDT	Aggregate	Aggregate	Gasoline	7003.904891	334253.6522	334253.6522	0	140134.1291

Index	NOx_IDLEX	PM2.5_IDLEX	PM10_IDLEX	CO2_IDLEX	CH4_IDLEX	N2O_IDLEX	ROG_IDLEX	TOG_IDLEX	CO_IDLEX	SOx_IDLEX
2041-HHDT	0	0	0	0	0	0	0	0	0	0
2041-HHDT	59.2947318	0.024741991	0.025860714	11382.43185	0.274964832	1.793306773	5.919917424	6.739375355	87.39946327	0.107784823
2041-HHDT	0	0	0	0	0	0	0	0	0	0
2041-HHDT	7.694533341	0.025841963	0.028105493	8227.459298	18.56883745	1.6772214	0.276881913	18.96404243	67.9625246	0
2041-MHDT	0.06338548	0	0	481.4774392	0.268671112	0.005944915	1.016384149	1.483105364	14.50920751	0.004759895
2041-MHDT	7.128291328	0.002917079	0.003048976	1931.20828	0.008219936	0.304262651	0.17697296	0.201470244	7.42230957	0.018287388
2041-MHDT	0	0	0	0	0	0	0	0	0	0
2041-MHDT	6.499417938	0.022417834	0.024381439	5506.03717	15.75481744	1.122441696	0.225105255	16.07894678	44.25393468	0
2042-HHDT	0	0	0	0	0	0	0	0	0	0
2042-HHDT	59.64430363	0.024865169	0.025989462	11445.79479	0.277492511	1.803289631	5.974337672	6.801328666	88.21409031	0.108384832
2042-HHDT	0	0	0	0	0	0	0	0	0	0
2042-HHDT	7.75681585	0.026380281	0.028690963	8260.502293	18.67829707	1.683957431	0.277123552	19.07424745	68.62515636	0
2042-MHDT	0.062201445	0	0	478.719955	0.268656452	0.005874365	1.016384149	1.483105364	14.50920751	0.004732634
2042-MHDT	6.977818024	0.002773079	0.002898465	1917.162187	0.00820131	0.302049683	0.176571961	0.201013737	7.422128034	0.018154379
2042-MHDT	0	0	0	0	0	0	0	0	0	0
2042-MHDT	6.481442096	0.022540343	0.024514679	5498.139151	15.64418415	1.120831633	0.223524523	15.96603739	44.5410119	0
2043-HHDT	0	0	0	0	0	0	0	0	0	0
2043-HHDT	60.01494668	0.025002227	0.026132717	11513.85055	0.279985458	1.814011844	6.028010142	6.862430687	89.01583839	0.10902928
2043-HHDT	0	0	0	0	0	0	0	0	0	0
2043-HHDT	7.828761557	0.026919812	0.029277752	8297.142822	18.8128225	1.691426842	0.277737006	19.21004954	69.31346593	0
2043-MHDT	0.06106719	0	0	475.9745465	0.268791442	0.005831147	1.016384149	1.483105364	14.50920751	0.004705493
2043-MHDT	6.842153292	0.002674476	0.002795404	1903.663998	0.008187806	0.299923038	0.176281226	0.200682757	7.421340471	0.01802656
2043-MHDT	0	0	0	0	0	0	0	0	0	0
2043-MHDT	6.461830159	0.022648594	0.024632413	5488.77992	15.53271573	1.118923693	0.22193186	15.85227568	44.79783189	0
2044-HHDT	0	0	0	0	0	0	0	0	0	0
2044-HHDT	60.40323958	0.025130172	0.026266447	11586.23384	0.282470046	1.825415859	6.081502641	6.923327825	89.81519509	0.109714706
2044-HHDT	0	0	0	0	0	0	0	0	0	0
2044-HHDT	7.909433425	0.027439396	0.029842847	8336.238324	18.96844702	1.699396716	0.27881887	19.36757501	70.02314827	0
2044-MHDT	0.060045356	0	0	473.4038099	0.268921399	0.005763581	1.016384149	1.483105364	14.50920751	0.004680079
2044-MHDT	6.718828067	0.002579142	0.002695759	1890.82895	0.008174208	0.297900871	0.175988457	0.200349462	7.41968768	0.017905019
2044-MHDT	0	0	0	0	0	0	0	0	0	0
2044-MHDT	6.441268543	0.022735922	0.02472739	5477.536835	15.42535922	1.116631717	0.220397947	15.7427105	45.00902094	0
2045-HHDT	0	0	0	0	0	0	0	0	0	0
2045-HHDT	60.80260273	0.025261137	0.026403334	11658.86163	0.28485801	1.836858398	6.13291484	6.9818567	90.58265761	0.110402448
2045-HHDT	0	0	0	0	0	0	0	0	0	0
2045-HHDT	7.989530903	0.027973149	0.030423352	8379.603538	19.12759781	1.708236998	0.280096706	19.52886516	70.72474374	0
2045-MHDT	0.059106647	0	0	470.9736409	0.269087885	0.005701214	1.016384149	1.483105364	14.50920751	0.004656054

Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips
2045-MHDT	Los Angeles	2045	MHDT	Aggregate	Aggregate	Diesel	51507.45479	2094466.967	2094466.967	0	641098.1341
2045-MHDT	Los Angeles	2045	MHDT	Aggregate	Aggregate	Electricity	50709.17341	2311242.103	0	2311242.103	672780.9582
2045-MHDT	Los Angeles	2045	MHDT	Aggregate	Aggregate	Natural Gas	1031.592886	41276.87477	41276.87477	0	9312.229972
2046-HHDT	Los Angeles	2046	HHDT	Aggregate	Aggregate	Gasoline	9.48105074	1110.839333	1110.839333	0	189.6968632
2046-HHDT	Los Angeles	2046	HHDT	Aggregate	Aggregate	Diesel	72635.47771	10168395.08	10168395.08	0	1224937.989
2046-HHDT	Los Angeles	2046	HHDT	Aggregate	Aggregate	Electricity	21438.94363	1992465.363	0	1992465.363	262170.0719
2046-HHDT	Los Angeles	2046	HHDT	Aggregate	Aggregate	Natural Gas	6183.550375	382061.7799	382061.7799	0	45062.37555
2046-MHDT	Los Angeles	2046	MHDT	Aggregate	Aggregate	Gasoline	6768.472103	324062.1662	324062.1662	0	135423.5898
2046-MHDT	Los Angeles	2046	MHDT	Aggregate	Aggregate	Diesel	51298.35854	2097856.942	2097856.942	0	639191.6758
2046-MHDT	Los Angeles	2046	MHDT	Aggregate	Aggregate	Electricity	53508.28482	2415118.686	0	2415118.686	709414.2849
2046-MHDT	Los Angeles	2046	MHDT	Aggregate	Aggregate	Natural Gas	1019.700359	40941.08253	40941.08253	0	9256.844987
2047-HHDT	Los Angeles	2047	HHDT	Aggregate	Aggregate	Gasoline	9.198737409	1083.661432	1083.661432	0	184.0483381
2047-HHDT	Los Angeles	2047	HHDT	Aggregate	Aggregate	Diesel	74141.2545	10424979.03	10424979.03	0	1255052.103
2047-HHDT	Los Angeles	2047	HHDT	Aggregate	Aggregate	Electricity	22496.4076	2068416.86	0	2068416.86	274570.7059
2047-HHDT	Los Angeles	2047	HHDT	Aggregate	Aggregate	Natural Gas	6130.742022	379507.9037	379507.9037	0	45038.68168
2047-MHDT	Los Angeles	2047	MHDT	Aggregate	Aggregate	Gasoline	6558.254084	315176.1849	315176.1849	0	131217.5477
2047-MHDT	Los Angeles	2047	MHDT	Aggregate	Aggregate	Diesel	51216.45485	2106600.684	2106600.684	0	638885.7609
2047-MHDT	Los Angeles	2047	MHDT	Aggregate	Aggregate	Electricity	56230.83031	2514874.719	0	2514874.719	744984.4239
2047-MHDT	Los Angeles	2047	MHDT	Aggregate	Aggregate	Natural Gas	1008.471809	40647.24169	40647.24169	0	9206.51861
2048-HHDT	Los Angeles	2048	HHDT	Aggregate	Aggregate	Gasoline	8.923459025	1060.404436	1060.404436	0	178.5405682
2048-HHDT	Los Angeles	2048	HHDT	Aggregate	Aggregate	Diesel	75739.20777	10693464.65	10693464.65	0	1286589.586
2048-HHDT	Los Angeles	2048	HHDT	Aggregate	Aggregate	Electricity	23527.33649	2142556.401	0	2142556.401	286720.7673
2048-HHDT	Los Angeles	2048	HHDT	Aggregate	Aggregate	Natural Gas	6087.840354	377621.4195	377621.4195	0	45082.47312
2048-MHDT	Los Angeles	2048	MHDT	Aggregate	Aggregate	Gasoline	6366.245484	307398.1306	307398.1306	0	127375.8396
2048-MHDT	Los Angeles	2048	MHDT	Aggregate	Aggregate	Diesel	51271.45237	2120690.646	2120690.646	0	640291.6246
2048-MHDT	Los Angeles	2048	MHDT	Aggregate	Aggregate	Electricity	58871.64605	2610626.532	0	2610626.532	779425.6265
2048-MHDT	Los Angeles	2048	MHDT	Aggregate	Aggregate	Natural Gas	998.5364408	40409.8722	40409.8722	0	9168.361577
2049-HHDT	Los Angeles	2049	HHDT	Aggregate	Aggregate	Gasoline	8.695730018	1040.938114	1040.938114	0	173.9841662
2049-HHDT	Los Angeles	2049	HHDT	Aggregate	Aggregate	Diesel	77438.94184	10974094.74	10974094.74	0	1319633.404
2049-HHDT	Los Angeles	2049	HHDT	Aggregate	Aggregate	Electricity	24532.23016	2215217.459	0	2215217.459	298665.081
2049-HHDT	Los Angeles	2049	HHDT	Aggregate	Aggregate	Natural Gas	6052.098164	376207.0344	376207.0344	0	45183.24332
2049-MHDT	Los Angeles	2049	MHDT	Aggregate	Aggregate	Gasoline	6191.372851	300616.5146	300616.5146	0	123876.988
2049-MHDT	Los Angeles	2049	MHDT	Aggregate	Aggregate	Diesel	51460.56749	2139815.798	2139815.798	0	643364.5334
2049-MHDT	Los Angeles	2049	MHDT	Aggregate	Aggregate	Electricity	61433.23743	2702880.806	0	2702880.806	812776.7388
2049-MHDT	Los Angeles	2049	MHDT	Aggregate	Aggregate	Natural Gas	990.0411638	40230.18046	40230.18046	0	9144.355094
2050-HHDT	Los Angeles	2050	HHDT	Aggregate	Aggregate	Gasoline	8.486618637	1024.063441	1024.063441	0	169.8002657
2050-HHDT	Los Angeles	2050	HHDT	Aggregate	Aggregate	Diesel	79231.06696	11266453.17	11266453.17	0	1354110.626
2050-HHDT	Los Angeles	2050	HHDT	Aggregate	Aggregate	Electricity	25520.60754	2287324.121	0	2287324.121	310477.2149
2050-HHDT	Los Angeles	2050	HHDT	Aggregate	Aggregate	Natural Gas	6018.733264	375138.6258	375138.6258	0	45317.85221
2050-MHDT	Los Angeles	2050	MHDT	Aggregate	Aggregate	Gasoline	6030.310187	294673.977	294673.977	0	120654.4462
2050-MHDT	Los Angeles	2050	MHDT	Aggregate	Aggregate	Diesel	51773.53794	2163430.517	2163430.517	0	647988.7522
2050-MHDT	Los Angeles	2050	MHDT	Aggregate	Aggregate	Electricity	63924.89979	2792325.404	0	2792325.404	845155.0046
2050-MHDT	Los Angeles	2050	MHDT	Aggregate	Aggregate	Natural Gas	983.8203638	40135.21799	40135.21799	0	9143.826142

Index	NOx_IDLEX	PM2.5_IDLEX	PM10_IDLEX	CO2_IDLEX	CH4_IDLEX	N2O_IDLEX	ROG_IDLEX	TOG_IDLEX	CO_IDLEX	SOx_IDLEX
2045-MHDT	6.612859623	0.002537287	0.002652012	1878.811963	0.008165898	0.29600759	0.175809551	0.20014579	7.417861528	0.017791226
2045-MHDT	0	0	0	0	0	0	0	0	0	0
2045-MHDT	6.418952977	0.022797422	0.024794276	5464.021899	15.32093959	1.113876608	0.218905996	15.6361426	45.1643735	0
2046-HHDT	0	0	0	0	0	0	0	0	0	0
2046-HHDT	61.20453305	0.025391883	0.026539992	11730.89821	0.287147034	1.848207791	6.182196898	7.037960572	91.31772374	0.111084591
2046-HHDT	0	0	0	0	0	0	0	0	0	0
2046-HHDT	8.073542112	0.02848523	0.030980287	8425.146154	19.29786435	1.717521159	0.28136856	19.70131199	71.42915615	0
2046-MHDT	0.058279104	0	0	468.7065033	0.269191496	0.00564366	1.016384149	1.483105364	14.50920751	0.004633641
2046-MHDT	6.521826383	0.002504454	0.002617694	1867.603724	0.008157775	0.294241727	0.175634663	0.199946694	7.415248462	0.01768509
2046-MHDT	0	0	0	0	0	0	0	0	0	0
2046-MHDT	6.396603987	0.022859837	0.024862158	5451.003726	15.21606419	1.111222769	0.217407534	15.52910956	45.32178673	0
2047-HHDT	0	0	0	0	0	0	0	0	0	0
2047-HHDT	61.60589556	0.025525622	0.026679778	11801.09	0.289319926	1.859266535	6.22897868	7.091218069	92.01469477	0.111749265
2047-HHDT	0	0	0	0	0	0	0	0	0	0
2047-HHDT	8.16898151	0.029033666	0.031576761	8474.062732	19.49690055	1.727493123	0.283079687	19.90315251	72.17480924	0
2047-MHDT	0.057586335	0	0	466.6515042	0.269209704	0.005598616	1.016384149	1.483105364	14.50920751	0.004613325
2047-MHDT	6.443876485	0.002477822	0.002589859	1857.198304	0.008149732	0.292602349	0.175461489	0.199749548	7.412029274	0.017586557
2047-MHDT	0	0	0	0	0	0	0	0	0	0
2047-MHDT	6.374575728	0.022913313	0.024920318	5437.660392	15.1156171	1.108502643	0.215972343	15.42659594	45.45909115	0
2048-HHDT	0	0	0	0	0	0	0	0	0	0
2048-HHDT	61.99649835	0.025662436	0.026822777	11868.44134	0.291367157	1.869877766	6.273055001	7.141395606	92.67036441	0.112387042
2048-HHDT	0	0	0	0	0	0	0	0	0	0
2048-HHDT	8.25989641	0.029566324	0.032156075	8524.987719	19.6899986	1.737874515	0.284466652	20.09866005	72.88911177	0
2048-MHDT	0.056968115	0	0	464.7350309	0.269306195	0.005556533	1.016384149	1.483105364	14.50920751	0.004594379
2048-MHDT	6.378029976	0.002457148	0.002568249	1847.682341	0.008141913	0.291103105	0.175293164	0.199557924	7.40835641	0.017496447
2048-MHDT	0	0	0	0	0	0	0	0	0	0
2048-MHDT	6.35242926	0.022955661	0.024966376	5423.632784	15.0187797	1.105643023	0.214588728	15.32776628	45.57179974	0
2049-HHDT	0	0	0	0	0	0	0	0	0	0
2049-HHDT	62.3700847	0.025796458	0.02696286	11932.12197	0.293262283	1.879910675	6.31385653	7.187845041	93.27676298	0.11299006
2049-HHDT	0	0	0	0	0	0	0	0	0	0
2049-HHDT	8.35572453	0.030096572	0.032732769	8577.523787	19.89731065	1.748584336	0.285386383	20.3079103	73.61208874	0
2049-MHDT	0.056412509	0	0	462.956842	0.269625002	0.00551607	1.016384149	1.483105364	14.50920751	0.0045768
2049-MHDT	6.326456112	0.002442616	0.002553061	1839.140372	0.008134103	0.289757315	0.175124998	0.199366479	7.404042867	0.01741556
2049-MHDT	0	0	0	0	0	0	0	0	0	0
2049-MHDT	6.330084028	0.022985542	0.024998874	5408.740899	14.92574243	1.102607215	0.213259409	15.23281492	45.65700887	0
2050-HHDT	0	0	0	0	0	0	0	0	0	0
2050-HHDT	62.7202631	0.025916948	0.027088797	11992.57213	0.295034404	1.889434623	6.352009816	7.231279652	93.84418412	0.113562487
2050-HHDT	0	0	0	0	0	0	0	0	0	0
2050-HHDT	8.466112331	0.030654416	0.033339474	8633.784146	20.13709186	1.760053378	0.288127766	20.55184461	74.39149471	0
2050-MHDT	0.055897119	0	0	461.2638416	0.27127245	0.00551814	1.016384149	1.483105364	14.50920751	0.004560063
2050-MHDT	6.282692203	0.002429908	0.002539777	1831.348597	0.008126348	0.288529717	0.174958048	0.19917642	7.399651063	0.017341776
2050-MHDT	0	0	0	0	0	0	0	0	0	0
2050-MHDT	6.307072608	0.023000286	0.02501491	5392.637039	14.83575643	1.099324338	0.211973686	15.1409776	45.70918995	0

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Los Angeles
Calendar Year: 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, g/mile for RUNEX, PMBW and PMTW, g/trip for STREX, HOTSOAK and RUNLOSS, g/vehicle/day for IDLEX and DIURN. PHEV calculated based on total VMT.

Lookup Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	VMT Weighting Factor
2040-HHDT-Gasoline	Los Angeles	2040	HHDT	Aggregate	Aggregate	Gasoline	11.7400687	1370.242704	1370.242704	0	234.8952946	0.000127204
2040-HHDT-Diesel	Los Angeles	2040	HHDT	Aggregate	Aggregate	Diesel	65591.95695	8900291.731	8900291.731	0	1077176.915	0.826245334
2040-HHDT-Electricity	Los Angeles	2040	HHDT	Aggregate	Aggregate	Electricity	14544.76282	1465171.496	0	1465171.496	181447.4795	0.136017015
2040-HHDT-Natural Gas	Los Angeles	2040	HHDT	Aggregate	Aggregate	Natural Gas	6596.269452	405138.6895	405138.6895	0	46035.17218	0.037610447
2040-LDA-Gasoline	Los Angeles	2040	LDA	Aggregate	Aggregate	Gasoline	2907306.938	111828980.4	111828980.4	0	13548549.91	0.844152036
2040-LDA-Diesel	Los Angeles	2040	LDA	Aggregate	Aggregate	Diesel	2094.690839	71300.8486	71300.8486	0	9302.74221	0.000538221
2040-LDA-Electricity	Los Angeles	2040	LDA	Aggregate	Aggregate	Electricity	375762.8831	15272078.48	0	15272078.48	1786831.911	0.115282784
2040-LDA-Plug-in Hybrid	Los Angeles	2040	LDA	Aggregate	Aggregate	Plug-in Hybrid	134242.641	5302568.538	2191636.392	3110932.146	555093.3207	0.040026959
2040-LDT1-Gasoline	Los Angeles	2040	LDT1	Aggregate	Aggregate	Gasoline	269893.4263	9749082.346	9749082.346	0	1211838.201	0.954899344
2040-LDT1-Diesel	Los Angeles	2040	LDT1	Aggregate	Aggregate	Diesel	2.662077524	104.0217328	104.0217328	0	12.55449554	1.01887E-05
2040-LDT1-Electricity	Los Angeles	2040	LDT1	Aggregate	Aggregate	Electricity	6302.490242	262593.3346	0	262593.3346	30236.19655	0.02572039
2040-LDT1-Plug-in Hybrid	Los Angeles	2040	LDT1	Aggregate	Aggregate	Plug-in Hybrid	4845.768811	197759.567	80664.49857	117095.0685	20037.25404	0.019370078
2040-LDT2-Gasoline	Los Angeles	2040	LDT2	Aggregate	Aggregate	Gasoline	1922359.198	73726734.91	73726734.91	0	8939995.475	0.946675289
2040-LDT2-Diesel	Los Angeles	2040	LDT2	Aggregate	Aggregate	Diesel	7148.585474	277709.3228	277709.3228	0	33539.87056	0.003565878
2040-LDT2-Electricity	Los Angeles	2040	LDT2	Aggregate	Aggregate	Electricity	68094.622	1957149.358	0	1957149.358	326618.1318	0.025130435
2040-LDT2-Plug-in Hybrid	Los Angeles	2040	LDT2	Aggregate	Aggregate	Plug-in Hybrid	48480.72271	1918050.817	786588.3618	1131462.456	200467.7884	0.024628397
2040-LHDT1-Gasoline	Los Angeles	2040	LHDT1	Aggregate	Aggregate	Gasoline	100296.2884	3534882.315	3534882.315	0	1494265.256	0.367197928
2040-LHDT1-Diesel	Los Angeles	2040	LHDT1	Aggregate	Aggregate	Diesel	71067.24314	2521364.184	2521364.184	0	893936.5161	0.261915283
2040-LHDT1-Electricity	Los Angeles	2040	LHDT1	Aggregate	Aggregate	Electricity	75359.43134	3570393.651	0	3570393.651	1051262.03	0.370886789
2040-LHDT2-Gasoline	Los Angeles	2040	LHDT2	Aggregate	Aggregate	Gasoline	14342.29287	480974.2556	480974.2556	0	213678.7938	0.187687866
2040-LHDT2-Diesel	Los Angeles	2040	LHDT2	Aggregate	Aggregate	Diesel	33937.23041	1164652.526	1164652.526	0	426887.6655	0.454475774
2040-LHDT2-Electricity	Los Angeles	2040	LHDT2	Aggregate	Aggregate	Electricity	20224.04551	917001.6171	0	917001.6171	267794.5864	0.357836359
2040-MHDT-Gasoline	Los Angeles	2040	MHDT	Aggregate	Aggregate	Gasoline	8483.028521	407347.9091	407347.9091	0	169728.4347	0.094003548
2040-MHDT-Diesel	Los Angeles	2040	MHDT	Aggregate	Aggregate	Diesel	54476.89828	2160676.109	2160676.109	0	674968.3906	0.498618542
2040-MHDT-Electricity	Los Angeles	2040	MHDT	Aggregate	Aggregate	Electricity	35711.16004	1721341.861	0	1721341.861	475398.9598	0.397233516
2040-MHDT-Natural Gas	Los Angeles	2040	MHDT	Aggregate	Aggregate	Natural Gas	1107.419648	43958.9523	43958.9523	0	9779.404912	0.010144394
2041-HHDT-Gasoline	Los Angeles	2041	HHDT	Aggregate	Aggregate	Gasoline	11.297202	1314.567297	1314.567297	0	226.0344176	0.000119028
2041-HHDT-Diesel	Los Angeles	2041	HHDT	Aggregate	Aggregate	Diesel	66514.02584	9078111.752	9078111.752	0	1097496.016	0.821982074
2041-HHDT-Electricity	Los Angeles	2041	HHDT	Aggregate	Aggregate	Electricity	15753.59936	1564170.94	0	1564170.94	195641.9566	0.141628624
2041-HHDT-Natural Gas	Los Angeles	2041	HHDT	Aggregate	Aggregate	Natural Gas	6518.583824	400575.158	400575.158	0	45793.36531	0.036270274
2041-LDA-Gasoline	Los Angeles	2041	LDA	Aggregate	Aggregate	Gasoline	2899493.723	111340180	111340180	0	13517783.22	0.843296248
2041-LDA-Diesel	Los Angeles	2041	LDA	Aggregate	Aggregate	Diesel	2019.424909	69412.12854	69412.12854	0	9005.905078	0.000525731
2041-LDA-Electricity	Los Angeles	2041	LDA	Aggregate	Aggregate	Electricity	380061.8125	15334739.95	0	15334739.95	1804400.397	0.116146109
2041-LDA-Plug-in Hybrid	Los Angeles	2041	LDA	Aggregate	Aggregate	Plug-in Hybrid	134444.293	5285402.803	2177228.985	3108173.818	555927.1516	0.040031913
2041-LDT1-Gasoline	Los Angeles	2041	LDT1	Aggregate	Aggregate	Gasoline	268546.1841	9689302.364	9689302.364	0	1207213.74	0.953410127
2041-LDT1-Diesel	Los Angeles	2041	LDT1	Aggregate	Aggregate	Diesel	2.72225126	105.3561305	105.3561305	0	12.79644236	1.03669E-05
2041-LDT1-Electricity	Los Angeles	2041	LDT1	Aggregate	Aggregate	Electricity	6571.709627	270036.0261	0	270036.0261	31413.54888	0.026571065
2041-LDT1-Plug-in Hybrid	Los Angeles	2041	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5045.363385	203341.491	82906.64344	120434.8476	20862.5776	0.020008441
2041-LDT2-Gasoline	Los Angeles	2041	LDT2	Aggregate	Aggregate	Gasoline	1927514.45	73640881.04	73640881.04	0	8959008.706	0.945914819
2041-LDT2-Diesel	Los Angeles	2041	LDT2	Aggregate	Aggregate	Diesel	7195.909726	278127.6182	278127.6182	0	33721.18523	0.003572541
2041-LDT2-Electricity	Los Angeles	2041	LDT2	Aggregate	Aggregate	Electricity	70135.86917	1992209.417	0	1992209.417	335393.7024	0.025589868
2041-LDT2-Plug-in Hybrid	Los Angeles	2041	LDT2	Aggregate	Aggregate	Plug-in Hybrid	49446.28521	1940275.049	794418.8	1145856.249	204460.3894	0.024922772
2041-LHDT1-Gasoline	Los Angeles	2041	LHDT1	Aggregate	Aggregate	Gasoline	97880.00027	3431647.451	3431647.451	0	1458266.163	0.355084139
2041-LHDT1-Diesel	Los Angeles	2041	LHDT1	Aggregate	Aggregate	Diesel	70290.78687	2470021.589	2470021.589	0	884169.673	0.255581467

Lookup Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	VMT Weighting Factor
2041-LHDT1-Electricity	Los Angeles	2041	LHDT1	Aggregate	Aggregate	Electricity	81148.13564	3762652.946	0	3762652.946	1131742.546	0.389334394
2041-LHDT2-Gasoline	Los Angeles	2041	LHDT2	Aggregate	Aggregate	Gasoline	13979.57606	466788.31	466788.31	0	208274.8537	0.181034597
2041-LHDT2-Diesel	Los Angeles	2041	LHDT2	Aggregate	Aggregate	Diesel	33635.273	1142368.816	1142368.816	0	423089.4212	0.443045111
2041-LHDT2-Electricity	Los Angeles	2041	LHDT2	Aggregate	Aggregate	Electricity	21833.70058	969290.9573	0	969290.9573	289067.2166	0.375920292
2041-MHDT-Gasoline	Los Angeles	2041	MHDT	Aggregate	Aggregate	Gasoline	8150.017953	389462.4507	389462.4507	0	163065.5592	0.088148921
2041-MHDT-Diesel	Los Angeles	2041	MHDT	Aggregate	Aggregate	Diesel	53642.47425	2137489.646	2137489.646	0	665137.1779	0.483788375
2041-MHDT-Electricity	Los Angeles	2041	MHDT	Aggregate	Aggregate	Electricity	38800.99434	1847987.742	0	1847987.742	516238.4012	0.418264008
2041-MHDT-Natural Gas	Los Angeles	2041	MHDT	Aggregate	Aggregate	Natural Gas	1090.499327	43292.91983	43292.91983	0	9661.768832	0.009798696
2042-HHDT-Gasoline	Los Angeles	2042	HHDT	Aggregate	Aggregate	Gasoline	10.88598365	1264.322639	1264.322639	0	217.8067608	0.000111638
2042-HHDT-Diesel	Los Angeles	2042	HHDT	Aggregate	Aggregate	Diesel	67547.88444	9269934.334	9269934.334	0	1119653.518	0.818521279
2042-HHDT-Electricity	Los Angeles	2042	HHDT	Aggregate	Aggregate	Electricity	16937.47606	1658066.258	0	1658066.258	209549.3729	0.14640476
2042-HHDT-Natural Gas	Los Angeles	2042	HHDT	Aggregate	Aggregate	Natural Gas	6439.997058	395956.0369	395956.0369	0	45563.35375	0.034962323
2042-LDA-Gasoline	Los Angeles	2042	LDA	Aggregate	Aggregate	Gasoline	2892821.564	110893093.7	110893093.7	0	13491995.38	0.842614848
2042-LDA-Diesel	Los Angeles	2042	LDA	Aggregate	Aggregate	Diesel	1960.05668	67935.05722	67935.05722	0	8774.043199	0.000516201
2042-LDA-Electricity	Los Angeles	2042	LDA	Aggregate	Aggregate	Electricity	383676.3258	15377351.45	0	15377351.45	1818962.536	0.116843928
2042-LDA-Plug-in Hybrid	Los Angeles	2042	LDA	Aggregate	Aggregate	Plug-in Hybrid	134572.2656	5267529.663	2163961.142	3103568.521	556456.3183	0.040025024
2042-LDT1-Gasoline	Los Angeles	2042	LDT1	Aggregate	Aggregate	Gasoline	267121.961	9630089.876	9630089.876	0	1202478.629	0.952057324
2042-LDT1-Diesel	Los Angeles	2042	LDT1	Aggregate	Aggregate	Diesel	2.776100638	106.4925997	106.4925997	0	13.00959455	1.05282E-05
2042-LDT1-Electricity	Los Angeles	2042	LDT1	Aggregate	Aggregate	Electricity	6820.091794	276541.2062	0	276541.2062	32488.02123	0.027339629
2042-LDT1-Plug-in Hybrid	Los Angeles	2042	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5229.835947	208293.9787	84895.01915	123398.9596	21625.37164	0.020592519
2042-LDT2-Gasoline	Los Angeles	2042	LDT2	Aggregate	Aggregate	Gasoline	1930804.888	73515506.18	73515506.18	0	8971471.116	0.945260004
2042-LDT2-Diesel	Los Angeles	2042	LDT2	Aggregate	Aggregate	Diesel	7235.817492	278334.46	278334.46	0	33870.17445	0.003578815
2042-LDT2-Electricity	Los Angeles	2042	LDT2	Aggregate	Aggregate	Electricity	71918.0178	2020722.934	0	2020722.934	342963.8093	0.02598239
2042-LDT2-Plug-in Hybrid	Los Angeles	2042	LDT2	Aggregate	Aggregate	Plug-in Hybrid	50280.26515	1958224.758	800728.4881	1157496.27	207908.8964	0.025178791
2042-LHDT1-Gasoline	Los Angeles	2042	LHDT1	Aggregate	Aggregate	Gasoline	95472.08918	3335092.168	3335092.168	0	1422391.875	0.344075867
2042-LHDT1-Diesel	Los Angeles	2042	LHDT1	Aggregate	Aggregate	Diesel	69432.17094	2420144.678	2420144.678	0	873369.3647	0.249682268
2042-LHDT1-Electricity	Los Angeles	2042	LHDT1	Aggregate	Aggregate	Electricity	86674.01857	3937660.833	0	3937660.833	1208514.075	0.406241865
2042-LHDT2-Gasoline	Los Angeles	2042	LHDT2	Aggregate	Aggregate	Gasoline	13627.37906	453576.2939	453576.2939	0	203027.6432	0.174993862
2042-LHDT2-Diesel	Los Angeles	2042	LHDT2	Aggregate	Aggregate	Diesel	33317.26941	1121054.798	1121054.798	0	419089.3361	0.432513143
2042-LHDT2-Electricity	Los Angeles	2042	LHDT2	Aggregate	Aggregate	Electricity	23380.19941	1017324.357	0	1017324.357	309503.2095	0.392492995
2042-MHDT-Gasoline	Los Angeles	2042	MHDT	Aggregate	Aggregate	Gasoline	7840.246646	373366.0795	373366.0795	0	156867.6549	0.082868508
2042-MHDT-Diesel	Los Angeles	2042	MHDT	Aggregate	Aggregate	Diesel	52915.51976	2118383.769	2118383.769	0	656679.4111	0.470174748
2042-MHDT-Electricity	Los Angeles	2042	MHDT	Aggregate	Aggregate	Electricity	41869.63471	1971101.261	0	1971101.261	556689.9202	0.437485432
2042-MHDT-Natural Gas	Los Angeles	2042	MHDT	Aggregate	Aggregate	Natural Gas	1073.850259	42673.22906	42673.22906	0	9550.166027	0.009471313
2043-HHDT-Gasoline	Los Angeles	2043	HHDT	Aggregate	Aggregate	Gasoline	10.51484035	1219.363754	1219.363754	0	210.3809258	0.000104978
2043-HHDT-Diesel	Los Angeles	2043	HHDT	Aggregate	Aggregate	Diesel	68684.60195	9475248.105	9475248.105	0	1143610.425	0.815746204
2043-HHDT-Electricity	Los Angeles	2043	HHDT	Aggregate	Aggregate	Electricity	18101.24983	1747411.793	0	1747411.793	223172.5577	0.150438756
2043-HHDT-Natural Gas	Los Angeles	2043	HHDT	Aggregate	Aggregate	Natural Gas	6363.506056	391557.0849	391557.0849	0	45352.45371	0.033710062
2043-LDA-Gasoline	Los Angeles	2043	LDA	Aggregate	Aggregate	Gasoline	2887088.503	110470662	110470662	0	13469930.9	0.842072798
2043-LDA-Diesel	Los Angeles	2043	LDA	Aggregate	Aggregate	Diesel	1911.633928	66757.38687	66757.38687	0	8588.423097	0.000508864
2043-LDA-Electricity	Los Angeles	2043	LDA	Aggregate	Aggregate	Electricity	386691.7951	15402417	0	15402417	1830913.662	0.117406343
2043-LDA-Plug-in Hybrid	Los Angeles	2043	LDA	Aggregate	Aggregate	Plug-in Hybrid	134647.2866	5249132.299	2151722	3097410.3	556766.5302	0.040011995
2043-LDT1-Gasoline	Los Angeles	2043	LDT1	Aggregate	Aggregate	Gasoline	265610.2622	9570234.242	9570234.242	0	1197603.378	0.950826491
2043-LDT1-Diesel	Los Angeles	2043	LDT1	Aggregate	Aggregate	Diesel	2.823983242	107.4460153	107.4460153	0	13.19605884	1.0675E-05
2043-LDT1-Electricity	Los Angeles	2043	LDT1	Aggregate	Aggregate	Electricity	7049.524455	282180.9278	0	282180.9278	33467.50859	0.028035375
2043-LDT1-Plug-in Hybrid	Los Angeles	2043	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5399.372208	212651.5568	86643.71481	126007.842	22326.40408	0.021127459
2043-LDT2-Gasoline	Los Angeles	2043	LDT2	Aggregate	Aggregate	Gasoline	1933298.608	73368775.11	73368775.11	0	8980561.249	0.944705481
2043-LDT2-Diesel	Los Angeles	2043	LDT2	Aggregate	Aggregate	Diesel	7269.900799	278371.5692	278371.5692	0	33993.73249	0.003584347
2043-LDT2-Electricity	Los Angeles	2043	LDT2	Aggregate	Aggregate	Electricity	73466.06942	2043463.469	0	2043463.469	349454.9414	0.02631189
2043-LDT2-Plug-in Hybrid	Los Angeles	2043	LDT2	Aggregate	Aggregate	Plug-in Hybrid	51001.6827	1972509.835	805751.0872	1166758.748	210891.958	0.025398282
2043-LHDT1-Gasoline	Los Angeles	2043	LHDT1	Aggregate	Aggregate	Gasoline	93220.076	3246534.646	3246534.646	0	1388840.235	0.334144023
2043-LHDT1-Diesel	Los Angeles	2043	LHDT1	Aggregate	Aggregate	Diesel	68602.23075	2373287.64	2373287.64	0	862929.7612	0.24426657
2043-LHDT1-Electricity	Los Angeles	2043	LHDT1	Aggregate	Aggregate	Electricity	91922.45703	4096151.719	0	4096151.719	1281375.737	0.421589407
2043-LHDT2-Gasoline	Los Angeles	2043	LHDT2	Aggregate	Aggregate	Gasoline	13300.87861	441454.277	441454.277	0	198163.273	0.169526413

Lookup Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	VMT Weighting Factor
2043-LHDT2-Diesel	Los Angeles	2043	LHDT2	Aggregate	Aggregate	Diesel	33027.23633	1101282.931	1101282.931	0	415441.0848	0.422912531
2043-LHDT2-Electricity	Los Angeles	2043	LHDT2	Aggregate	Aggregate	Electricity	24860.61615	1061307.012	0	1061307.012	329064.1116	0.407561056
2043-MHDT-Gasoline	Los Angeles	2043	MHDT	Aggregate	Aggregate	Gasoline	7539.213071	358795.9776	358795.9776	0	150844.5751	0.078083357
2043-MHDT-Diesel	Los Angeles	2043	MHDT	Aggregate	Aggregate	Diesel	52317.21142	2104884.643	2104884.643	0	649847.4758	0.458077764
2043-MHDT-Electricity	Los Angeles	2043	MHDT	Aggregate	Aggregate	Electricity	44880.4066	2089233.819	0	2089233.819	596309.9963	0.454671737
2043-MHDT-Natural Gas	Los Angeles	2043	MHDT	Aggregate	Aggregate	Natural Gas	1058.215018	42123.36418	42123.36418	0	9452.427986	0.009167142
2044-HHDT-Gasoline	Los Angeles	2044	HHDT	Aggregate	Aggregate	Gasoline	10.1724355	1179.083847	1179.083847	0	203.5300895	9.89572E-05
2044-HHDT-Diesel	Los Angeles	2044	HHDT	Aggregate	Aggregate	Diesel	69905.09813	9693213.409	9693213.409	0	1169158.399	0.813524115
2044-HHDT-Electricity	Los Angeles	2044	HHDT	Aggregate	Aggregate	Electricity	19242.5429	1832710.456	0	1832710.456	236502.2317	0.15381423
2044-HHDT-Natural Gas	Los Angeles	2044	HHDT	Aggregate	Aggregate	Natural Gas	6298.906864	387987.4904	387987.4904	0	45218.17026	0.032562698
2044-LDA-Gasoline	Los Angeles	2044	LDA	Aggregate	Aggregate	Gasoline	2882110.034	110064919	110064919	0	13450476.83	0.841640425
2044-LDA-Diesel	Los Angeles	2044	LDA	Aggregate	Aggregate	Diesel	1872.113834	65804.23246	65804.23246	0	8438.955584	0.000503189
2044-LDA-Electricity	Los Angeles	2044	LDA	Aggregate	Aggregate	Electricity	389192.1047	15412992.91	0	15412992.91	1840627.592	0.117859514
2044-LDA-Plug-in Hybrid	Los Angeles	2044	LDA	Aggregate	Aggregate	Plug-in Hybrid	134685.101	5230562.019	2140450.84	3090111.178	556922.8927	0.039996872
2044-LDT1-Gasoline	Los Angeles	2044	LDT1	Aggregate	Aggregate	Gasoline	264468.3858	9518622.929	9518622.929	0	1193822.877	0.949755116
2044-LDT1-Diesel	Los Angeles	2044	LDT1	Aggregate	Aggregate	Diesel	2.865655879	108.2294735	108.2294735	0	13.35636206	1.0799E-05
2044-LDT1-Electricity	Los Angeles	2044	LDT1	Aggregate	Aggregate	Electricity	7257.659394	286997.2172	0	286997.2172	34347.63948	0.028636188
2044-LDT1-Plug-in Hybrid	Los Angeles	2044	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5554.217939	216458.1572	88170.6147	128287.5425	22966.69118	0.021597897
2044-LDT2-Gasoline	Los Angeles	2044	LDT2	Aggregate	Aggregate	Gasoline	1935009.93	73203485.34	73203485.34	0	8986496.349	0.944236622
2044-LDT2-Diesel	Los Angeles	2044	LDT2	Aggregate	Aggregate	Diesel	7298.66949	278268.5237	278268.5237	0	34094.39973	0.003589328
2044-LDT2-Electricity	Los Angeles	2044	LDT2	Aggregate	Aggregate	Electricity	74801.4355	2061182.579	0	2061182.579	354974.5685	0.026586768
2044-LDT2-Plug-in Hybrid	Los Angeles	2044	LDT2	Aggregate	Aggregate	Plug-in Hybrid	51625.7698	1983695.758	809686.1863	1174009.572	213472.5581	0.025587281
2044-LHDT1-Gasoline	Los Angeles	2044	LHDT1	Aggregate	Aggregate	Gasoline	90929.99894	3162849.954	3162849.954	0	1354721.498	0.325060905
2044-LHDT1-Diesel	Los Angeles	2044	LHDT1	Aggregate	Aggregate	Diesel	67706.66323	2328003.67	2328003.67	0	851664.6485	0.239259842
2044-LHDT1-Electricity	Los Angeles	2044	LHDT1	Aggregate	Aggregate	Electricity	96885.2341	4239168.974	0	4239168.974	1350218.116	0.435679253
2044-LHDT2-Gasoline	Los Angeles	2044	LHDT2	Aggregate	Aggregate	Gasoline	12982.19029	430145.046	430145.046	0	193415.2919	0.164657315
2044-LHDT2-Diesel	Los Angeles	2044	LHDT2	Aggregate	Aggregate	Diesel	32619.88253	1080758.885	1080758.885	0	410317.0864	0.413708952
2044-LHDT2-Electricity	Los Angeles	2044	LHDT2	Aggregate	Aggregate	Electricity	26272.05055	1101461.305	0	1101461.305	347711.4953	0.421633733
2044-MHDT-Gasoline	Los Angeles	2044	MHDT	Aggregate	Aggregate	Gasoline	7261.52318	345802.2626	345802.2626	0	145288.5558	0.073780174
2044-MHDT-Diesel	Los Angeles	2044	MHDT	Aggregate	Aggregate	Diesel	51843.6272	2096666.18	2096666.18	0	644600.1607	0.447343505
2044-MHDT-Electricity	Los Angeles	2044	MHDT	Aggregate	Aggregate	Electricity	47835.6522	2202814.44	0	2202814.44	635111.539	0.469991237
2044-MHDT-Natural Gas	Los Angeles	2044	MHDT	Aggregate	Aggregate	Natural Gas	1043.758273	41643.73733	41643.73733	0	9368.887491	0.008885084
2045-HHDT-Gasoline	Los Angeles	2045	HHDT	Aggregate	Aggregate	Gasoline	9.808744743	1142.594283	1142.594283	0	196.2533648	9.34674E-05
2045-HHDT-Diesel	Los Angeles	2045	HHDT	Aggregate	Aggregate	Diesel	71223.05149	9924437.324	9924437.324	0	1196281.204	0.811846492
2045-HHDT-Electricity	Los Angeles	2045	HHDT	Aggregate	Aggregate	Electricity	20357.95647	1914337.207	0	1914337.207	249507.977	0.156598092
2045-HHDT-Natural Gas	Los Angeles	2045	HHDT	Aggregate	Aggregate	Natural Gas	6235.481903	384607.3711	384607.3711	0	45103.25232	0.031461949
2045-LDA-Gasoline	Los Angeles	2045	LDA	Aggregate	Aggregate	Gasoline	2877156.649	109669134.9	109669134.9	0	13431239.29	0.841289726
2045-LDA-Diesel	Los Angeles	2045	LDA	Aggregate	Aggregate	Diesel	1842.517772	65033.08764	65033.08764	0	8324.720043	0.000498879
2045-LDA-Electricity	Los Angeles	2045	LDA	Aggregate	Aggregate	Electricity	391247.5149	15412015.87	0	15412015.87	1848418.069	0.118228074
2045-LDA-Plug-in Hybrid	Los Angeles	2045	LDA	Aggregate	Aggregate	Plug-in Hybrid	134696.6661	5212159.47	2130093.873	3082065.597	556970.7143	0.039983321
2045-LDT1-Gasoline	Los Angeles	2045	LDT1	Aggregate	Aggregate	Gasoline	263419.0867	9470021.419	9470021.419	0	1190335.577	0.948804857
2045-LDT1-Diesel	Los Angeles	2045	LDT1	Aggregate	Aggregate	Diesel	2.902544209	108.8734171	108.8734171	0	13.49550064	1.09081E-05
2045-LDT1-Electricity	Los Angeles	2045	LDT1	Aggregate	Aggregate	Electricity	7449.541137	291104.2638	0	291104.2638	35144.49712	0.029165841
2045-LDT1-Plug-in Hybrid	Los Angeles	2045	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5694.861497	219765.596	89496.73498	130268.861	23548.25229	0.022018394
2045-LDT2-Gasoline	Los Angeles	2045	LDT2	Aggregate	Aggregate	Gasoline	1935695.493	73019936.25	73019936.25	0	8988787.467	0.943837572
2045-LDT2-Diesel	Los Angeles	2045	LDT2	Aggregate	Aggregate	Diesel	7322.931406	278053.8969	278053.8969	0	34175.58151	0.003594056
2045-LDT2-Electricity	Los Angeles	2045	LDT2	Aggregate	Aggregate	Electricity	75946.57705	2074659.121	0	2074659.121	359632.9628	0.026816529
2045-LDT2-Plug-in Hybrid	Los Angeles	2045	LDT2	Aggregate	Aggregate	Plug-in Hybrid	52163.6314	1992289.81	812705.3633	1179584.447	215696.6158	0.025751844
2045-LHDT1-Gasoline	Los Angeles	2045	LHDT1	Aggregate	Aggregate	Gasoline	88602.02066	3083865.928	3083865.928	0	1320038.091	0.316737495
2045-LHDT1-Diesel	Los Angeles	2045	LHDT1	Aggregate	Aggregate	Diesel	66801.43374	2284915.449	2284915.449	0	840278.0002	0.234678943
2045-LHDT1-Electricity	Los Angeles	2045	LHDT1	Aggregate	Aggregate	Electricity	101549.1039	4367564.881	0	4367564.881	1414857.388	0.448583562
2045-LHDT2-Gasoline	Los Angeles	2045	LHDT2	Aggregate	Aggregate	Gasoline	12675.3031	419547.4515	419547.4515	0	188843.1299	0.160193445
2045-LHDT2-Diesel	Los Angeles	2045	LHDT2	Aggregate	Aggregate	Diesel	32223.55438	1061440.126	1061440.126	0	405331.7769	0.405283717
2045-LHDT2-Electricity	Los Angeles	2045	LHDT2	Aggregate	Aggregate	Electricity	27611.79563	1138017.535	0	1138017.535	365410.6788	0.434522838

Lookup Index	Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	VMT Weighting Factor
2045-MHDT-Gasoline	Los Angeles	2045	MHDT	Aggregate	Aggregate	Gasoline	7003.904891	334253.6522	334253.6522	0	140134.1291	0.069909413
2045-MHDT-Diesel	Los Angeles	2045	MHDT	Aggregate	Aggregate	Diesel	51507.45479	2094466.967	2094466.967	0	641098.1341	0.438059404
2045-MHDT-Electricity	Los Angeles	2045	MHDT	Aggregate	Aggregate	Electricity	50709.17341	2311242.103	0	2311242.103	672780.9582	0.483398093
2045-MHDT-Natural Gas	Los Angeles	2045	MHDT	Aggregate	Aggregate	Natural Gas	1031.592886	41276.87477	41276.87477	0	9312.229972	0.008633091
2046-HHDT-Gasoline	Los Angeles	2046	HHDT	Aggregate	Aggregate	Gasoline	9.48105074	1110.839333	1110.839333	0	189.6968632	8.85552E-05
2046-HHDT-Diesel	Los Angeles	2046	HHDT	Aggregate	Aggregate	Diesel	72635.47771	10168395.08	10168395.08	0	1224937.989	0.810616094
2046-HHDT-Electricity	Los Angeles	2046	HHDT	Aggregate	Aggregate	Electricity	21438.94363	1992465.363	0	1992465.363	262170.0719	0.1588377
2046-HHDT-Natural Gas	Los Angeles	2046	HHDT	Aggregate	Aggregate	Natural Gas	6183.550375	382061.7799	382061.7799	0	45062.37555	0.030457651
2046-LDA-Gasoline	Los Angeles	2046	LDA	Aggregate	Aggregate	Gasoline	2872695.41	109268072.9	109268072.9	0	13413080.1	0.841007197
2046-LDA-Diesel	Los Angeles	2046	LDA	Aggregate	Aggregate	Diesel	1818.846583	64385.31405	64385.31405	0	8233.078907	0.000495557
2046-LDA-Electricity	Los Angeles	2046	LDA	Aggregate	Aggregate	Electricity	392917.8324	15399453.32	0	15399453.32	1854546.11	0.118525483
2046-LDA-Plug-in Hybrid	Los Angeles	2046	LDA	Aggregate	Aggregate	Plug-in Hybrid	134689.0286	5193341.459	2120240.182	3073101.277	556939.1331	0.039971763
2046-LDT1-Gasoline	Los Angeles	2046	LDT1	Aggregate	Aggregate	Gasoline	262485.8303	9423573.836	9423573.836	0	1187214.289	0.947970684
2046-LDT1-Diesel	Los Angeles	2046	LDT1	Aggregate	Aggregate	Diesel	2.934877694	109.3774979	109.3774979	0	13.6150547	1.10029E-05
2046-LDT1-Electricity	Los Angeles	2046	LDT1	Aggregate	Aggregate	Electricity	7625.559714	294520.0219	0	294520.0219	35860.92822	0.029627438
2046-LDT1-Plug-in Hybrid	Los Angeles	2046	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5821.719739	222582.9076	90625.57432	131957.3332	24072.81112	0.022390876
2046-LDT2-Gasoline	Los Angeles	2046	LDT2	Aggregate	Aggregate	Gasoline	1936356.246	72826373.86	72826373.86	0	8990060.571	0.943509923
2046-LDT2-Diesel	Los Angeles	2046	LDT2	Aggregate	Aggregate	Diesel	7343.691019	277718.9905	277718.9905	0	34241.21896	0.003598018
2046-LDT2-Electricity	Los Angeles	2046	LDT2	Aggregate	Aggregate	Electricity	76920.48093	2084220.074	0	2084220.074	363523.0392	0.027002337
2046-LDT2-Plug-in Hybrid	Los Angeles	2046	LDT2	Aggregate	Aggregate	Plug-in Hybrid	52623.25013	1998340.917	814787.2474	1183553.67	217597.1393	0.025889721
2046-LHDT1-Gasoline	Los Angeles	2046	LHDT1	Aggregate	Aggregate	Gasoline	86404.71708	3011113.533	3011113.533	0	1287301.541	0.309278859
2046-LHDT1-Diesel	Los Angeles	2046	LHDT1	Aggregate	Aggregate	Diesel	65852.06834	2243069.575	2243069.575	0	828336.1778	0.23039118
2046-LHDT1-Electricity	Los Angeles	2046	LHDT1	Aggregate	Aggregate	Electricity	105911.5778	4481734.628	0	4481734.628	1475265.038	0.460329961
2046-LHDT2-Gasoline	Los Angeles	2046	LHDT2	Aggregate	Aggregate	Gasoline	12386.95063	409792.5288	409792.5288	0	184547.1078	0.156214105
2046-LHDT2-Diesel	Los Angeles	2046	LHDT2	Aggregate	Aggregate	Diesel	31794.06479	1042472.841	1042472.841	0	399929.3381	0.397393681
2046-LHDT2-Electricity	Los Angeles	2046	LHDT2	Aggregate	Aggregate	Electricity	28877.56688	1171009.462	0	1171009.462	382131.0248	0.446392215
2046-MHDT-Gasoline	Los Angeles	2046	MHDT	Aggregate	Aggregate	Gasoline	6768.472103	324062.1662	324062.1662	0	135423.5898	0.066433696
2046-MHDT-Diesel	Los Angeles	2046	MHDT	Aggregate	Aggregate	Diesel	51298.35854	2097856.942	2097856.942	0	639191.6758	0.430066836
2046-MHDT-Electricity	Los Angeles	2046	MHDT	Aggregate	Aggregate	Electricity	53508.28482	2415118.686	0	2415118.686	709414.2849	0.495106426
2046-MHDT-Natural Gas	Los Angeles	2046	MHDT	Aggregate	Aggregate	Natural Gas	1019.700359	40941.08253	40941.08253	0	9256.844987	0.008393042
2047-HHDT-Gasoline	Los Angeles	2047	HHDT	Aggregate	Aggregate	Gasoline	9.198737409	1083.661432	1083.661432	0	184.0483381	8.41745E-05
2047-HHDT-Diesel	Los Angeles	2047	HHDT	Aggregate	Aggregate	Diesel	74141.2545	10424979.03	10424979.03	0	1255052.103	0.809770793
2047-HHDT-Electricity	Los Angeles	2047	HHDT	Aggregate	Aggregate	Electricity	22496.4076	2068416.86	0	2068416.86	274570.7059	0.160666372
2047-HHDT-Natural Gas	Los Angeles	2047	HHDT	Aggregate	Aggregate	Natural Gas	6130.742022	379507.9037	379507.9037	0	45038.68168	0.02947866
2047-LDA-Gasoline	Los Angeles	2047	LDA	Aggregate	Aggregate	Gasoline	2868279.299	108864150.7	108864150.7	0	13394589.14	0.840776894
2047-LDA-Diesel	Los Angeles	2047	LDA	Aggregate	Aggregate	Diesel	1796.483347	63807.30659	63807.30659	0	8149.588658	0.000492795
2047-LDA-Electricity	Los Angeles	2047	LDA	Aggregate	Aggregate	Electricity	394253.431	15378016.61	0	15378016.61	1859231.823	0.118767114
2047-LDA-Plug-in Hybrid	Los Angeles	2047	LDA	Aggregate	Aggregate	Plug-in Hybrid	134664.2734	5174451.731	2110876.861	3063574.869	556836.7705	0.039963197
2047-LDT1-Gasoline	Los Angeles	2047	LDT1	Aggregate	Aggregate	Gasoline	261766.0521	9381668.496	9381668.496	0	1184727.487	0.947262031
2047-LDT1-Diesel	Los Angeles	2047	LDT1	Aggregate	Aggregate	Diesel	2.962794986	109.7547029	109.7547029	0	13.71621273	1.10819E-05
2047-LDT1-Electricity	Los Angeles	2047	LDT1	Aggregate	Aggregate	Electricity	7774.627906	297240.5138	0	297240.5138	36470.6949	0.030012215
2047-LDT1-Plug-in Hybrid	Los Angeles	2047	LDT1	Aggregate	Aggregate	Plug-in Hybrid	5935.441171	224965.7562	91579.63351	133386.1227	24543.04924	0.022714672
2047-LDT2-Gasoline	Los Angeles	2047	LDT2	Aggregate	Aggregate	Gasoline	1936361.627	72616820.32	72616820.32	0	8988665.695	0.943235745
2047-LDT2-Diesel	Los Angeles	2047	LDT2	Aggregate	Aggregate	Diesel	7361.025559	277288.3422	277288.3422	0	34291.87714	0.003601759
2047-LDT2-Electricity	Los Angeles	2047	LDT2	Aggregate	Aggregate	Electricity	77738.72922	2090528.615	0	2090528.615	366724.5054	0.027154333
2047-LDT2-Plug-in Hybrid	Los Angeles	2047	LDT2	Aggregate	Aggregate	Plug-in Hybrid	53012.6561	2002288.563	816089.2225	1186199.34	219207.333	0.026008164
2047-LHDT1-Gasoline	Los Angeles	2047	LHDT1	Aggregate	Aggregate	Gasoline	84388.3486	2945098.566	2945098.566	0	1257260.655	0.302668661
2047-LHDT1-Diesel	Los Angeles	2047	LHDT1	Aggregate	Aggregate	Diesel	64873.86343	2202603.111	2202603.111	0	816031.5906	0.226362181
2047-LHDT1-Electricity	Los Angeles	2047	LHDT1	Aggregate	Aggregate	Electricity	109967.6203	4582736.071	0	4582736.071	1531372.456	0.470969158
2047-LHDT2-Gasoline	Los Angeles	2047	LHDT2	Aggregate	Aggregate	Gasoline	12115.2591	400733.6057	400733.6057	0	180499.3088	0.152584769
2047-LHDT2-Diesel	Los Angeles	2047	LHDT2	Aggregate	Aggregate	Diesel	31399.20041	1024896.096	1024896.096	0	394962.441	0.390243124
2047-LHDT2-Electricity	Los Angeles	2047	LHDT2	Aggregate	Aggregate	Electricity	30067.05135	1200671.783	0	1200671.783	397841.8857	0.457172107
2047-MHDT-Gasoline	Los Angeles	2047	MHDT	Aggregate	Aggregate	Gasoline	6558.254084	315176.1849	315176.1849	0	131217.5477	0.063322737
2047-MHDT-Diesel	Los Angeles	2047	MHDT	Aggregate	Aggregate	Diesel	51216.45485	2106600.684	2106600.684	0	638885.7609	0.423241753

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2047-MHDT-Electricity	Los Angeles	2047	MHDT	Aggregate	Aggregate	Electricity	56230.83031	2514874.719	0	2514874.719	744984.4239	0.505268983
2047-MHDT-Natural Gas	Los Angeles	2047	MHDT	Aggregate	Aggregate	Natural Gas	1008.471809	40647.24169	40647.24169	0	9206.51861	0.008166526
2048-HHDT-Gasoline	Los Angeles	2048	HHDT	Aggregate	Aggregate	Gasoline	8.923459025	1060.404436	1060.404436	0	178.5405682	8.02443E-05
2048-HHDT-Diesel	Los Angeles	2048	HHDT	Aggregate	Aggregate	Diesel	75739.20777	10693464.65	10693464.65	0	1286589.586	0.809209617
2048-HHDT-Electricity	Los Angeles	2048	HHDT	Aggregate	Aggregate	Electricity	23527.33649	2142556.401	0	2142556.401	286720.7673	0.162134285
2048-HHDT-Natural Gas	Los Angeles	2048	HHDT	Aggregate	Aggregate	Natural Gas	6087.840354	377621.4195	377621.4195	0	45082.47312	0.028575854
2048-LDA-Gasoline	Los Angeles	2048	LDA	Aggregate	Aggregate	Gasoline	2863558.918	108446795.5	108446795.5	0	13374685.02	0.840586415
2048-LDA-Diesel	Los Angeles	2048	LDA	Aggregate	Aggregate	Diesel	1776.540225	63282.46322	63282.46322	0	8075.816663	0.000490511
2048-LDA-Electricity	Los Angeles	2048	LDA	Aggregate	Aggregate	Electricity	395297.3968	15348023.27	0	15348023.27	1862656.899	0.118964694
2048-LDA-Plug-in Hybrid	Los Angeles	2048	LDA	Aggregate	Aggregate	Plug-in Hybrid	134626.8314	5155160.835	2101749.122	3053411.712	556681.9479	0.039958379
2048-LDT1-Gasoline	Los Angeles	2048	LDT1	Aggregate	Aggregate	Gasoline	261445.882	9346162.068	9346162.068	0	1183239.729	0.946670925
2048-LDT1-Diesel	Los Angeles	2048	LDT1	Aggregate	Aggregate	Diesel	2.98788799	110.0273116	110.0273116	0	13.80384242	1.11446E-05
2048-LDT1-Electricity	Los Angeles	2048	LDT1	Aggregate	Aggregate	Electricity	7916.791071	299453.3535	0	299453.3535	37029.2726	0.030331572
2048-LDT1-Plug-in Hybrid	Los Angeles	2048	LDT1	Aggregate	Aggregate	Plug-in Hybrid	6036.676589	226936.5502	92367.79056	134568.7597	24961.6577	0.022986359
2048-LDT2-Gasoline	Los Angeles	2048	LDT2	Aggregate	Aggregate	Gasoline	1935904.124	72390841.16	72390841.16	0	8985192.997	0.943009556
2048-LDT2-Diesel	Los Angeles	2048	LDT2	Aggregate	Aggregate	Diesel	7375.312001	276756.9173	276756.9173	0	34329.15663	0.003605213
2048-LDT2-Electricity	Los Angeles	2048	LDT2	Aggregate	Aggregate	Electricity	78419.92616	2093927.058	0	2093927.058	369320.9838	0.027276838
2048-LDT2-Plug-in Hybrid	Los Angeles	2048	LDT2	Aggregate	Aggregate	Plug-in Hybrid	53337.3103	2004230.541	816628.3398	1187602.201	220549.7781	0.026108393
2048-LHDT1-Gasoline	Los Angeles	2048	LHDT1	Aggregate	Aggregate	Gasoline	82325.66317	2882123.772	2882123.772	0	1226529.716	0.296594616
2048-LHDT1-Diesel	Los Angeles	2048	LHDT1	Aggregate	Aggregate	Diesel	63900.40074	2164166.177	2164166.177	0	803786.6546	0.222710781
2048-LHDT1-Electricity	Los Angeles	2048	LHDT1	Aggregate	Aggregate	Electricity	113717.0937	4671094.053	0	4671094.053	1583185.029	0.480694604
2048-LHDT2-Gasoline	Los Angeles	2048	LHDT2	Aggregate	Aggregate	Gasoline	11855.54146	392277.126	392277.126	0	176629.9031	0.149310244
2048-LHDT2-Diesel	Los Angeles	2048	LHDT2	Aggregate	Aggregate	Diesel	30985.3749	1007909.138	1007909.138	0	389757.0367	0.383634808
2048-LHDT2-Electricity	Los Angeles	2048	LHDT2	Aggregate	Aggregate	Electricity	31178.36325	1227075.7	0	1227075.7	412519.339	0.467054948
2048-MHDT-Gasoline	Los Angeles	2048	MHDT	Aggregate	Aggregate	Gasoline	6366.245484	307398.1306	307398.1306	0	127375.8396	0.060521865
2048-MHDT-Diesel	Los Angeles	2048	MHDT	Aggregate	Aggregate	Diesel	51271.45237	2120690.646	2120690.646	0	640291.6246	0.417530691
2048-MHDT-Electricity	Los Angeles	2048	MHDT	Aggregate	Aggregate	Electricity	58871.64605	2610626.532	0	2610626.532	779425.6265	0.513991374
2048-MHDT-Natural Gas	Los Angeles	2048	MHDT	Aggregate	Aggregate	Natural Gas	998.5364408	40409.8722	40409.8722	0	9168.361577	0.007956069
2049-HHDT-Gasoline	Los Angeles	2049	HHDT	Aggregate	Aggregate	Gasoline	8.695730018	1040.938114	1040.938114	0	173.9841662	7.67282E-05
2049-HHDT-Diesel	Los Angeles	2049	HHDT	Aggregate	Aggregate	Diesel	77438.94184	10974094.74	10974094.74	0	1319633.404	0.808907682
2049-HHDT-Electricity	Los Angeles	2049	HHDT	Aggregate	Aggregate	Electricity	24532.23016	2215217.459	0	2215217.459	298665.081	0.163285124
2049-HHDT-Natural Gas	Los Angeles	2049	HHDT	Aggregate	Aggregate	Natural Gas	6052.098164	376207.0344	376207.0344	0	45183.24332	0.027730466
2049-LDA-Gasoline	Los Angeles	2049	LDA	Aggregate	Aggregate	Gasoline	2858932.266	108019089.5	108019089.5	0	13354285.59	0.840430296
2049-LDA-Diesel	Los Angeles	2049	LDA	Aggregate	Aggregate	Diesel	1762.499305	62822.06675	62822.06675	0	8019.984638	0.00048878
2049-LDA-Electricity	Los Angeles	2049	LDA	Aggregate	Aggregate	Electricity	396089.7589	15310898.92	0	15310898.92	1864989.642	0.119124716
2049-LDA-Plug-in Hybrid	Los Angeles	2049	LDA	Aggregate	Aggregate	Plug-in Hybrid	134578.3727	5135504.101	2092777.104	3042726.997	556481.5712	0.039956208
2049-LDT1-Gasoline	Los Angeles	2049	LDT1	Aggregate	Aggregate	Gasoline	261194.4283	9311320.096	9311320.096	0	1181866.668	0.946165568
2049-LDT1-Diesel	Los Angeles	2049	LDT1	Aggregate	Aggregate	Diesel	3.009606422	110.2012142	110.2012142	0	13.87731884	1.1198E-05
2049-LDT1-Electricity	Los Angeles	2049	LDT1	Aggregate	Aggregate	Electricity	8042.788657	301144.9821	0	301144.9821	37514.94267	0.030600711
2049-LDT1-Plug-in Hybrid	Los Angeles	2049	LDT1	Aggregate	Aggregate	Plug-in Hybrid	6126.180843	228535.4243	93006.25364	135529.1707	25331.75779	0.023222523
2049-LDT2-Gasoline	Los Angeles	2049	LDT2	Aggregate	Aggregate	Gasoline	1934731.472	72145733.23	72145733.23	0	8979020.882	0.942819925
2049-LDT2-Diesel	Los Angeles	2049	LDT2	Aggregate	Aggregate	Diesel	7386.919606	276140.4691	276140.4691	0	34354.48892	0.003608678
2049-LDT2-Electricity	Los Angeles	2049	LDT2	Aggregate	Aggregate	Electricity	78980.14207	2094889.742	0	2094889.742	371389.411	0.027376585
2049-LDT2-Plug-in Hybrid	Los Angeles	2049	LDT2	Aggregate	Aggregate	Plug-in Hybrid	53604.35254	2004459.061	816511.98	1187947.081	221653.9978	0.026194812
2049-LHDT1-Gasoline	Los Angeles	2049	LHDT1	Aggregate	Aggregate	Gasoline	80472.8043	2825433.604	2825433.604	0	1198924.88	0.291256891
2049-LHDT1-Diesel	Los Angeles	2049	LHDT1	Aggregate	Aggregate	Diesel	62942.30249	2127825.092	2127825.092	0	791734.9839	0.219344641
2049-LHDT1-Electricity	Los Angeles	2049	LHDT1	Aggregate	Aggregate	Electricity	117158.6977	4747571.367	0	4747571.367	1630690.311	0.489398468
2049-LHDT2-Gasoline	Los Angeles	2049	LHDT2	Aggregate	Aggregate	Gasoline	11601.78844	384285.4083	384285.4083	0	172849.361	0.146294867
2049-LHDT2-Diesel	Los Angeles	2049	LHDT2	Aggregate	Aggregate	Diesel	30590.72743	992063.0595	992063.0595	0	384792.8679	0.377671725
2049-LHDT2-Electricity	Los Angeles	2049	LHDT2	Aggregate	Aggregate	Electricity	32212.28753	1250438.22	0	1250438.22	426174.3854	0.476033408
2049-MHDT-Gasoline	Los Angeles	2049	MHDT	Aggregate	Aggregate	Gasoline	6191.372851	300616.5146	300616.5146	0	123876.988	0.057994406
2049-MHDT-Diesel	Los Angeles	2049	MHDT	Aggregate	Aggregate	Diesel	51460.56749	2139815.798	2139815.798	0	643364.5334	0.412809477
2049-MHDT-Electricity	Los Angeles	2049	MHDT	Aggregate	Aggregate	Electricity	61433.23743	2702880.806	0	2702880.806	812776.7388	0.521434982
2049-MHDT-Natural Gas	Los Angeles	2049	MHDT	Aggregate	Aggregate	Natural Gas	990.0411638	40230.18046	40230.18046	0	9144.355094	0.007761135

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2050-HHDT-Gasoline	Los Angeles	2050	HHDT	Aggregate	Aggregate	Gasoline	8.486618637	1024.063441	1024.063441	0	169.8002657	7.35153E-05
2050-HHDT-Diesel	Los Angeles	2050	HHDT	Aggregate	Aggregate	Diesel	79231.06696	11266453.17	11266453.17	0	1354110.626	0.808794093
2050-HHDT-Electricity	Los Angeles	2050	HHDT	Aggregate	Aggregate	Electricity	25520.60754	2287324.121	0	2287324.121	310477.2149	0.164202008
2050-HHDT-Natural Gas	Los Angeles	2050	HHDT	Aggregate	Aggregate	Natural Gas	6018.733264	375138.6258	375138.6258	0	45317.85221	0.026930383
2050-LDA-Gasoline	Los Angeles	2050	LDA	Aggregate	Aggregate	Gasoline	2853741.317	107569154.9	107569154.9	0	13331591.66	0.840298131
2050-LDA-Diesel	Los Angeles	2050	LDA	Aggregate	Aggregate	Diesel	1747.197012	62369.5526	62369.5526	0	7962.501266	0.000487212
2050-LDA-Electricity	Los Angeles	2050	LDA	Aggregate	Aggregate	Electricity	396658.491	15266512.27	0	15266512.27	1866351.446	0.119257437
2050-LDA-Plug-in Hybrid	Los Angeles	2050	LDA	Aggregate	Aggregate	Plug-in Hybrid	134516.7669	5115046.875	2083706.36	3031340.514	556226.831	0.039957219
2050-LDT1-Gasoline	Los Angeles	2050	LDT1	Aggregate	Aggregate	Gasoline	261047.3647	9277239.593	9277239.593	0	1180714.013	0.945742194
2050-LDT1-Diesel	Los Angeles	2050	LDT1	Aggregate	Aggregate	Diesel	3.028159906	110.277363	110.277363	0	13.93770771	1.12419E-05
2050-LDT1-Electricity	Los Angeles	2050	LDT1	Aggregate	Aggregate	Electricity	8153.274521	302348.9507	0	302348.9507	37932.12094	0.030822117
2050-LDT1-Plug-in Hybrid	Los Angeles	2050	LDT1	Aggregate	Aggregate	Plug-in Hybrid	6204.741032	229781.6624	93502.81193	136278.8505	25656.60417	0.023424448
2050-LDT2-Gasoline	Los Angeles	2050	LDT2	Aggregate	Aggregate	Gasoline	1933398.962	71887003.76	71887003.76	0	8971654.987	0.94266622
2050-LDT2-Diesel	Los Angeles	2050	LDT2	Aggregate	Aggregate	Diesel	7394.561554	275399.499	275399.499	0	34364.30603	0.003611359
2050-LDT2-Electricity	Los Angeles	2050	LDT2	Aggregate	Aggregate	Electricity	79437.6969	2093710.721	0	2093710.721	373012.6847	0.027455176
2050-LDT2-Plug-in Hybrid	Los Angeles	2050	LDT2	Aggregate	Aggregate	Plug-in Hybrid	53822.7163	2003119.881	815793.5933	1187326.288	222556.9319	0.026267244
2050-LHDT1-Gasoline	Los Angeles	2050	LHDT1	Aggregate	Aggregate	Gasoline	78880.43788	2775140.481	2775140.481	0	1175200.993	0.286629203
2050-LHDT1-Diesel	Los Angeles	2050	LHDT1	Aggregate	Aggregate	Diesel	62057.39254	2094201.805	2094201.805	0	780603.93	0.216298742
2050-LHDT1-Electricity	Los Angeles	2050	LHDT1	Aggregate	Aggregate	Electricity	120297.0628	4812645.644	0	4812645.644	1673960.651	0.497072056
2050-LHDT2-Gasoline	Los Angeles	2050	LHDT2	Aggregate	Aggregate	Gasoline	11361.78705	376842.1378	376842.1378	0	169273.698	0.1436264
2050-LHDT2-Diesel	Los Angeles	2050	LHDT2	Aggregate	Aggregate	Diesel	30134.30416	976110.1061	976110.1061	0	379051.6374	0.372026286
2050-LHDT2-Electricity	Los Angeles	2050	LHDT2	Aggregate	Aggregate	Electricity	33167.86419	1270814.255	0	1270814.255	438793.6751	0.484347314
2050-MHDT-Gasoline	Los Angeles	2050	MHDT	Aggregate	Aggregate	Gasoline	6030.310187	294673.977	294673.977	0	120654.4462	0.055698015
2050-MHDT-Diesel	Los Angeles	2050	MHDT	Aggregate	Aggregate	Diesel	51773.53794	2163430.517	2163430.517	0	647988.7522	0.408922387
2050-MHDT-Electricity	Los Angeles	2050	MHDT	Aggregate	Aggregate	Electricity	63924.89979	2792325.404	0	2792325.404	845155.0046	0.52779341
2050-MHDT-Natural Gas	Los Angeles	2050	MHDT	Aggregate	Aggregate	Natural Gas	983.8203638	40135.21799	40135.21799	0	9143.826142	0.007586187

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2041-LDA	2041	LDA	132029734.9	0.600015119
2041-LDT1	2041	LDT1	10162785.24	0.046185239
2041-LDT2	2041	LDT2	77851493.12	0.353799642
2041-LHDT1	2041	LHDT1	9664321.986	0.789390141
2041-LHDT2	2041	LHDT2	2578448.084	0.210609859
2042-LDA	2042	LDA	131605909.9	0.599588471
2042-LDT1	2042	LDT1	10115031.55	0.046083465
2042-LDT2	2042	LDT2	77772788.33	0.354328064
2042-LHDT1	2042	LHDT1	9692897.679	0.789012093
2042-LHDT2	2042	LHDT2	2591955.449	0.210987907
2043-LDA	2043	LDA	131188968.6	0.599262785
2043-LDT1	2043	LDT1	10065174.17	0.045977069
2043-LDT2	2043	LDT2	77663119.98	0.354760145
2043-LHDT1	2043	LHDT1	9715974.004	0.788633087
2043-LHDT2	2043	LHDT2	2604044.22	0.211366913
2044-LDA	2044	LDA	130774278.1	0.598994243
2044-LDT1	2044	LDT1	10022186.53	0.045905297
2044-LDT2	2044	LDT2	77526632.2	0.35510046
2044-LHDT1	2044	LHDT1	9730022.598	0.788341991
2044-LHDT2	2044	LHDT2	2612365.236	0.211658009
2045-LDA	2045	LDA	130358343.4	0.598786307
2045-LDT1	2045	LDT1	9981000.152	0.045846595
2045-LDT2	2045	LDT2	77364939.08	0.355367098
2045-LHDT1	2045	LHDT1	9736346.257	0.788026659
2045-LHDT2	2045	LHDT2	2619005.113	0.211973341
2046-LDA	2046	LDA	129925253	0.598588533
2046-LDT1	2046	LDT1	9940786.143	0.045798953
2046-LDT2	2046	LDT2	77186653.85	0.355612514
2046-LHDT1	2046	LHDT1	9735917.736	0.78774707
2046-LHDT2	2046	LHDT2	2623274.831	0.21225293
2047-LDA	2047	LDA	129480426.4	0.598417648
2047-LDT1	2047	LDT1	9903984.521	0.045773089
2047-LDT2	2047	LDT2	76986925.84	0.355809263
2047-LHDT1	2047	LHDT1	9730437.748	0.78745999
2047-LHDT2	2047	LHDT2	2626301.485	0.21254001
2048-LDA	2048	LDA	129013262.1	0.598248352
2048-LDT1	2048	LDT1	9872661.999	0.045780594
2048-LDT2	2048	LDT2	76765755.68	0.355971054
2048-LHDT1	2048	LHDT1	9717384.001	0.787173972
2048-LHDT2	2048	LHDT2	2627261.964	0.212826028
2049-LDA	2049	LDA	128528314.6	0.598110322
2049-LDT1	2049	LDT1	9841110.704	0.0457959
2049-LDT2	2049	LDT2	76521222.5	0.356093777
2049-LHDT1	2049	LHDT1	9700830.063	0.786918531

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2049-LHDT2	2049	LHDT2	2626786.688	0.213081469
2050-LDA	2050	LDA	128013083.5	0.597963418
2050-LDT1	2050	LDT1	9809480.483	0.045821179
2050-LDT2	2050	LDT2	76259233.86	0.356215403
2050-LHDT1	2050	LHDT1	9681987.93	0.786785401
2050-LHDT2	2050	LHDT2	2623766.499	0.213214599

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Aerial Lifts	50	0.0006	0.0078	0.0065	0.0000	0.0001	0.0001	1.3008	0.426747722
Aerial Lifts	75	0.0005	0.0074	0.0064	0.0000	0.0000	0.0000	1.2811	0.420300293
Aerial Lifts	100	0.0003	0.0074	0.0007	0.0000	0.0001	0.0001	1.2930	0.424184905
Aerial Lifts	175	0.0003	0.0067	0.0006	0.0000	0.0000	0.0000	1.1409	0.374277543
Aerial Lifts	300	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1332	0.371779122
Aerial Lifts	600	0.0003	0.0023	0.0004	0.0000	0.0000	0.0000	1.1118	0.364743548
Air Compressors	50	0.0004	0.0049	0.0033	0.0000	0.0000	0.0000	0.6176	0.202815197
Boom	50	0.0007	0.0086	0.0066	0.0000	0.0001	0.0000	1.2638	0.414607623
Boom	75	0.0006	0.0077	0.0065	0.0000	0.0000	0.0000	1.2612	0.413751823
Boom	100	0.0003	0.0077	0.0006	0.0000	0.0001	0.0001	1.2621	0.414066206
Boom	175	0.0004	0.0071	0.0006	0.0000	0.0000	0.0000	1.1318	0.371306863
Boom	300	0.0003	0.0024	0.0004	0.0000	0.0000	0.0000	1.1140	0.365480104
Boom	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1291	0.370412884
Boom	9999	0.0004	0.0024	0.0039	0.0000	0.0001	0.0001	1.1332	0.371779122
Bore/Drill Rigs	50	0.0010	0.0104	0.0071	0.0000	0.0001	0.0001	1.3830	0.453719552
Bore/Drill Rigs	75	0.0007	0.0079	0.0066	0.0000	0.0001	0.0001	1.3016	0.42702755
Bore/Drill Rigs	100	0.0004	0.0080	0.0009	0.0000	0.0001	0.0001	1.2982	0.425888502
Bore/Drill Rigs	175	0.0004	0.0070	0.0006	0.0000	0.0000	0.0000	1.1390	0.373681173
Bore/Drill Rigs	300	0.0004	0.0024	0.0006	0.0000	0.0000	0.0000	1.1262	0.369457536
Bore/Drill Rigs	600	0.0004	0.0023	0.0005	0.0000	0.0000	0.0000	1.1245	0.368927163
Bore/Drill Rigs	750	0.0003	0.0023	0.0007	0.0000	0.0000	0.0000	1.1164	0.366264885
Bore/Drill Rigs	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1257	0.369293188
Concrete/Industrial Saws	50	0.0005	0.0067	0.0049	0.0000	0.0000	0.0000	0.9375	0.307871035
Cranes	25	0.0105	0.2069	0.0563	0.0006	0.0013	0.0012	62.0998	20.37293137
Cranes	50	0.0009	0.0100	0.0075	0.0000	0.0001	0.0001	1.8809	0.617066833
Cranes	75	0.0005	0.0080	0.0066	0.0000	0.0001	0.0001	1.5326	0.502783329
Cranes	100	0.0003	0.0079	0.0012	0.0000	0.0001	0.0001	1.4855	0.487354255
Cranes	175	0.0003	0.0068	0.0007	0.0000	0.0000	0.0000	1.2356	0.405345763
Cranes	300	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1665	0.3827057
Cranes	600	0.0002	0.0022	0.0007	0.0000	0.0000	0.0000	1.1471	0.376316985
Cranes	750	0.0002	0.0022	0.0007	0.0000	0.0000	0.0000	1.1375	0.373165763
Cranes	9999	0.0002	0.0022	0.0037	0.0000	0.0000	0.0000	1.1280	0.370048584
Crawler Tractors	50	0.0009	0.0097	0.0069	0.0000	0.0001	0.0001	1.4378	0.471699409
Crawler Tractors	75	0.0006	0.0079	0.0066	0.0000	0.0001	0.0001	1.3804	0.452870202
Crawler Tractors	100	0.0004	0.0079	0.0010	0.0000	0.0001	0.0001	1.3662	0.448214688
Crawler Tractors	175	0.0003	0.0069	0.0006	0.0000	0.0000	0.0000	1.1527	0.378170516
Crawler Tractors	300	0.0003	0.0024	0.0005	0.0000	0.0000	0.0000	1.1391	0.373695572
Crawler Tractors	600	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1263	0.36950033
Crawler Tractors	750	0.0003	0.0022	0.0005	0.0000	0.0000	0.0000	1.1254	0.369191302
Crawler Tractors	9999	0.0003	0.0022	0.0038	0.0000	0.0001	0.0000	1.1228	0.368363753

K Line Northern Extension
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Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Excavators	25	0.0079	0.1552	0.0422	0.0004	0.0009	0.0009	46.5660	15.27681057
Excavators	50	0.0009	0.0099	0.0069	0.0000	0.0001	0.0001	1.3662	0.448203093
Excavators	75	0.0007	0.0078	0.0066	0.0000	0.0001	0.0001	1.2877	0.422446556
Excavators	100	0.0004	0.0079	0.0008	0.0000	0.0001	0.0001	1.2963	0.425283956
Excavators	175	0.0004	0.0071	0.0006	0.0000	0.0000	0.0000	1.1414	0.374464553
Excavators	300	0.0004	0.0024	0.0005	0.0000	0.0000	0.0000	1.1316	0.371249555
Excavators	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1275	0.369910133
Excavators	750	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.0958	0.359508899
Excavators	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1137	0.365384374
Forklifts	25	0.0544	1.2517	0.5039	0.0026	0.0057	0.0053	272.6561	89.44965842
Forklifts	50	0.0008	0.0096	0.0070	0.0000	0.0001	0.0001	1.4041	0.460637002
Forklifts	75	0.0006	0.0077	0.0065	0.0000	0.0001	0.0000	1.2909	0.423488792
Forklifts	100	0.0003	0.0078	0.0009	0.0000	0.0001	0.0001	1.3122	0.430492942
Forklifts	175	0.0004	0.0070	0.0006	0.0000	0.0000	0.0000	1.1410	0.374330789
Forklifts	300	0.0003	0.0024	0.0006	0.0000	0.0000	0.0000	1.1326	0.371575892
Forklifts	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1266	0.369600515
Forklifts	750	0.0003	0.0022	0.0004	0.0000	0.0000	0.0000	1.1332	0.371779122
Forklifts	9999	0.0003	0.0022	0.0039	0.0000	0.0001	0.0001	1.1041	0.36222129
Graders	50	0.0008	0.0094	0.0068	0.0000	0.0001	0.0001	1.5117	0.495938831
Graders	75	0.0006	0.0082	0.0067	0.0000	0.0001	0.0001	1.4802	0.485594015
Graders	100	0.0003	0.0080	0.0008	0.0000	0.0001	0.0001	1.3888	0.455609759
Graders	175	0.0003	0.0068	0.0006	0.0000	0.0000	0.0000	1.1874	0.389532736
Graders	300	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1443	0.375416601
Graders	600	0.0003	0.0022	0.0005	0.0000	0.0000	0.0000	1.1325	0.371539086
Graders	750	0.0003	0.0022	0.0005	0.0000	0.0000	0.0000	1.1332	0.371779122
Graders	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1332	0.371779122
Off-Highway Tractors	50	0.0012	0.0113	0.0072	0.0000	0.0001	0.0001	1.4226	0.466717705
Off-Highway Tractors	75	0.0008	0.0082	0.0068	0.0000	0.0001	0.0001	1.3219	0.433688965
Off-Highway Tractors	100	0.0004	0.0082	0.0011	0.0000	0.0001	0.0001	1.2868	0.422141861
Off-Highway Tractors	175	0.0004	0.0073	0.0006	0.0000	0.0000	0.0000	1.1326	0.371585473
Off-Highway Tractors	300	0.0004	0.0025	0.0006	0.0000	0.0000	0.0000	1.1256	0.369258949
Off-Highway Tractors	600	0.0004	0.0023	0.0005	0.0000	0.0000	0.0000	1.1267	0.36964867
Off-Highway Tractors	750	0.0004	0.0023	0.0007	0.0000	0.0000	0.0000	1.1267	0.369630074
Off-Highway Tractors	9999	0.0004	0.0023	0.0039	0.0000	0.0001	0.0001	1.1067	0.363063079
Off-Highway Trucks	50	0.0012	0.0119	0.0074	0.0000	0.0001	0.0001	1.5660	0.513741127
Off-Highway Trucks	75	0.0007	0.0081	0.0066	0.0000	0.0001	0.0001	1.3166	0.431941418
Off-Highway Trucks	100	0.0004	0.0081	0.0006	0.0000	0.0001	0.0001	1.2875	0.422375341
Off-Highway Trucks	175	0.0004	0.0072	0.0006	0.0000	0.0000	0.0000	1.1342	0.372088862
Off-Highway Trucks	300	0.0004	0.0025	0.0005	0.0000	0.0000	0.0000	1.1281	0.370104603
Off-Highway Trucks	600	0.0004	0.0023	0.0005	0.0000	0.0000	0.0000	1.1241	0.368766415

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Off-Highway Trucks	750	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1170	0.366449757
Off-Highway Trucks	9999	0.0003	0.0022	0.0039	0.0000	0.0001	0.0001	1.1070	0.363182166
Other Construction Equipment	50	0.0008	0.0096	0.0070	0.0000	0.0001	0.0001	1.4912	0.489201105
Other Construction Equipment	75	0.0006	0.0078	0.0066	0.0000	0.0001	0.0001	1.3770	0.451744636
Other Construction Equipment	100	0.0004	0.0079	0.0012	0.0000	0.0001	0.0001	1.3743	0.45087545
Other Construction Equipment	175	0.0003	0.0069	0.0007	0.0000	0.0000	0.0000	1.1656	0.382411148
Other Construction Equipment	300	0.0003	0.0024	0.0007	0.0000	0.0000	0.0000	1.1438	0.375241524
Other Construction Equipment	600	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1293	0.370492676
Other Construction Equipment	750	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1274	0.369866512
Other Construction Equipment	9999	0.0003	0.0022	0.0038	0.0000	0.0001	0.0001	1.1186	0.366970835
Other General Industrial Equipment	50	0.0010	0.0102	0.0071	0.0000	0.0001	0.0001	1.3780	0.452075053
Other General Industrial Equipment	75	0.0007	0.0079	0.0066	0.0000	0.0001	0.0001	1.2884	0.422676801
Other General Industrial Equipment	100	0.0004	0.0078	0.0010	0.0000	0.0001	0.0001	1.2729	0.417585008
Other General Industrial Equipment	175	0.0004	0.0070	0.0007	0.0000	0.0000	0.0000	1.1308	0.370992957
Other General Industrial Equipment	300	0.0004	0.0024	0.0007	0.0000	0.0000	0.0000	1.1256	0.369281791
Other General Industrial Equipment	600	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1203	0.367538138
Other General Industrial Equipment	750	0.0003	0.0022	0.0008	0.0000	0.0000	0.0000	1.1251	0.369110218
Other General Industrial Equipment	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1178	0.36672543
Other Material Handling Equipment	50	0.0009	0.0098	0.0070	0.0000	0.0001	0.0001	1.5007	0.492323641
Other Material Handling Equipment	75	0.0006	0.0079	0.0066	0.0000	0.0001	0.0001	1.3457	0.441483112
Other Material Handling Equipment	100	0.0004	0.0080	0.0009	0.0000	0.0001	0.0001	1.3820	0.453385166
Other Material Handling Equipment	175	0.0003	0.0070	0.0007	0.0000	0.0000	0.0000	1.1619	0.381167872
Other Material Handling Equipment	300	0.0003	0.0024	0.0005	0.0000	0.0000	0.0000	1.1371	0.373034052
Other Material Handling Equipment	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1302	0.37077573
Other Material Handling Equipment	750	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1332	0.371779122
Other Material Handling Equipment	9999	0.0003	0.0022	0.0039	0.0000	0.0001	0.0001	1.1225	0.368249261
Pavers	50	0.0010	0.0104	0.0071	0.0000	0.0001	0.0001	1.4958	0.490735944
Pavers	75	0.0007	0.0080	0.0067	0.0000	0.0001	0.0001	1.3606	0.446355887
Pavers	100	0.0004	0.0080	0.0011	0.0000	0.0001	0.0001	1.3292	0.436082075
Pavers	175	0.0004	0.0070	0.0008	0.0000	0.0000	0.0000	1.1482	0.376676347
Pavers	300	0.0003	0.0024	0.0006	0.0000	0.0000	0.0000	1.1327	0.37158969
Pavers	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1261	0.369447477
Pavers	750	0.0003	0.0022	0.0004	0.0000	0.0000	0.0000	1.1332	0.371779122
Pavers	9999	0.0004	0.0023	0.0041	0.0000	0.0001	0.0001	1.1180	0.366782072
Paving Equipment	50	0.0009	0.0096	0.0069	0.0000	0.0001	0.0001	1.4001	0.459340314
Paving Equipment	75	0.0007	0.0080	0.0067	0.0000	0.0001	0.0001	1.3626	0.447021222
Paving Equipment	100	0.0004	0.0080	0.0009	0.0000	0.0001	0.0001	1.3606	0.446375408
Paving Equipment	175	0.0004	0.0070	0.0006	0.0000	0.0000	0.0000	1.1440	0.375321728
Paving Equipment	300	0.0003	0.0024	0.0006	0.0000	0.0000	0.0000	1.1380	0.373325339
Paving Equipment	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1325	0.371529224

K Line Northern Extension
OFFROAD Emission Rates

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Paving Equipment	750	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1332	0.371779122
Paving Equipment	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1236	0.368600685
Portable Equipment - Non-Rental Other	50	0.0001	0.0028	0.0022	0.0000	0.0000	0.0000	0.4745	0.155833687
Portable Equipment - Non-Rental Other	75	0.0001	0.0026	0.0020	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	100	0.0001	0.0027	0.0001	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	175	0.0001	0.0024	0.0001	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	300	0.0001	0.0008	0.0001	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	600	0.0001	0.0008	0.0001	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	750	0.0001	0.0008	0.0001	0.0000	0.0000	0.0000	0.4269	0.140173929
Portable Equipment - Non-Rental Other	9999	0.0001	0.0008	0.0013	0.0000	0.0000	0.0000	0.4269	0.140173929
Rollers	50	0.0009	0.0100	0.0071	0.0000	0.0001	0.0001	1.5192	0.498414664
Rollers	75	0.0006	0.0078	0.0066	0.0000	0.0001	0.0001	1.3398	0.439554229
Rollers	100	0.0004	0.0080	0.0010	0.0000	0.0001	0.0001	1.3652	0.447878456
Rollers	175	0.0004	0.0070	0.0006	0.0000	0.0000	0.0000	1.1519	0.377907245
Rollers	300	0.0003	0.0024	0.0006	0.0000	0.0000	0.0000	1.1483	0.376723606
Rollers	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1256	0.369286903
Rollers	750	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1332	0.371779122
Rollers	9999	0.0003	0.0022	0.0039	0.0000	0.0001	0.0001	1.1273	0.36982968
Rough Terrain Forklifts	50	0.0007	0.0085	0.0066	0.0000	0.0001	0.0001	1.4070	0.461577981
Rough Terrain Forklifts	75	0.0005	0.0074	0.0064	0.0000	0.0000	0.0000	1.2867	0.422138046
Rough Terrain Forklifts	100	0.0003	0.0078	0.0009	0.0000	0.0001	0.0001	1.3741	0.450805005
Rough Terrain Forklifts	175	0.0003	0.0068	0.0006	0.0000	0.0000	0.0000	1.1556	0.379121439
Rough Terrain Forklifts	300	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1418	0.374602867
Rough Terrain Forklifts	600	0.0003	0.0022	0.0004	0.0000	0.0000	0.0000	1.1339	0.372003355
Rough Terrain Forklifts	750	0.0002	0.0022	0.0004	0.0000	0.0000	0.0000	1.1332	0.371779751
Rubber Tired Dozers	50	0.0009	0.0111	0.0071	0.0000	0.0001	0.0001	2.0718	0.679700224
Rubber Tired Dozers	75	0.0007	0.0082	0.0065	0.0000	0.0001	0.0000	1.4337	0.470335988
Rubber Tired Dozers	100	0.0004	0.0080	0.0007	0.0000	0.0001	0.0001	1.3384	0.439077696
Rubber Tired Dozers	175	0.0004	0.0071	0.0006	0.0000	0.0000	0.0000	1.1513	0.377689128
Rubber Tired Dozers	300	0.0004	0.0024	0.0004	0.0000	0.0000	0.0000	1.1337	0.371938334
Rubber Tired Dozers	600	0.0003	0.0023	0.0004	0.0000	0.0000	0.0000	1.1273	0.36981781
Rubber Tired Dozers	750	0.0003	0.0022	0.0005	0.0000	0.0000	0.0000	1.1030	0.361852264
Rubber Tired Dozers	9999	0.0003	0.0023	0.0043	0.0000	0.0001	0.0001	1.1332	0.371779122
Rubber Tired Loaders	50	0.0010	0.0107	0.0071	0.0000	0.0001	0.0001	1.4294	0.468931201
Rubber Tired Loaders	75	0.0007	0.0081	0.0066	0.0000	0.0001	0.0001	1.3357	0.438195255
Rubber Tired Loaders	100	0.0004	0.0081	0.0008	0.0000	0.0001	0.0001	1.3275	0.435511496
Rubber Tired Loaders	175	0.0004	0.0071	0.0006	0.0000	0.0000	0.0000	1.1427	0.374883887
Rubber Tired Loaders	300	0.0004	0.0024	0.0005	0.0000	0.0000	0.0000	1.1323	0.37147164
Rubber Tired Loaders	600	0.0004	0.0023	0.0005	0.0000	0.0000	0.0000	1.1258	0.36935436
Rubber Tired Loaders	750	0.0003	0.0022	0.0005	0.0000	0.0000	0.0000	1.1203	0.367533228

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Rubber Tired Loaders	9999	0.0003	0.0022	0.0039	0.0000	0.0001	0.0001	1.1130	0.36514565
Scrapers	50	0.0008	0.0097	0.0070	0.0000	0.0001	0.0001	1.6557	0.543197751
Scrapers	75	0.0006	0.0079	0.0067	0.0000	0.0001	0.0001	1.4214	0.466311993
Scrapers	100	0.0003	0.0078	0.0010	0.0000	0.0001	0.0001	1.3537	0.444110854
Scrapers	175	0.0003	0.0068	0.0004	0.0000	0.0000	0.0000	1.1529	0.378242656
Scrapers	300	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1449	0.375592591
Scrapers	600	0.0003	0.0022	0.0004	0.0000	0.0000	0.0000	1.1276	0.3699152
Scrapers	750	0.0002	0.0022	0.0004	0.0000	0.0000	0.0000	1.1213	0.367874102
Signal Boards	50	0.0005	0.0070	0.0052	0.0000	0.0000	0.0000	1.0034	0.329487817
Skid Steer Loaders	50	0.0009	0.0097	0.0069	0.0000	0.0001	0.0001	1.4391	0.472131778
Skid Steer Loaders	75	0.0006	0.0078	0.0065	0.0000	0.0001	0.0001	1.3056	0.428325702
Skid Steer Loaders	100	0.0004	0.0079	0.0010	0.0000	0.0001	0.0001	1.3245	0.434515304
Skid Steer Loaders	175	0.0003	0.0070	0.0006	0.0000	0.0000	0.0000	1.1386	0.373523264
Skid Steer Loaders	300	0.0004	0.0024	0.0006	0.0000	0.0000	0.0000	1.1347	0.372257034
Skid Steer Loaders	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1284	0.370178959
Skid Steer Loaders	750	0.0004	0.0023	0.0004	0.0000	0.0000	0.0000	1.0626	0.348599234
Skid Steer Loaders	9999	0.0003	0.0023	0.0039	0.0000	0.0001	0.0001	1.1317	0.371285177
Surfacing Equipment	50	0.0011	0.0113	0.0073	0.0000	0.0001	0.0001	1.6357	0.536631945
Surfacing Equipment	75	0.0007	0.0080	0.0066	0.0000	0.0001	0.0001	1.3502	0.442941324
Surfacing Equipment	100	0.0004	0.0082	0.0009	0.0000	0.0001	0.0001	1.4306	0.469347554
Surfacing Equipment	175	0.0004	0.0071	0.0007	0.0000	0.0000	0.0000	1.1590	0.380236475
Surfacing Equipment	300	0.0004	0.0025	0.0008	0.0000	0.0000	0.0000	1.1417	0.374541284
Surfacing Equipment	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1305	0.370868584
Surfacing Equipment	750	0.0003	0.0022	0.0006	0.0000	0.0000	0.0000	1.1312	0.37111507
Surfacing Equipment	9999	0.0003	0.0022	0.0040	0.0000	0.0001	0.0001	1.1274	0.369876992
Sweepers/Scrubbers	50	0.0008	0.0088	0.0068	0.0000	0.0001	0.0001	1.3660	0.448152378
Sweepers/Scrubbers	75	0.0005	0.0075	0.0065	0.0000	0.0001	0.0001	1.2823	0.420695708
Sweepers/Scrubbers	100	0.0003	0.0075	0.0010	0.0000	0.0001	0.0001	1.2828	0.420845316
Sweepers/Scrubbers	175	0.0003	0.0068	0.0007	0.0000	0.0000	0.0000	1.1347	0.372256419
Sweepers/Scrubbers	300	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1277	0.369952296
Sweepers/Scrubbers	600	0.0003	0.0023	0.0006	0.0000	0.0000	0.0000	1.1326	0.371577614
Sweepers/Scrubbers	9999	0.0002	0.0022	0.0038	0.0000	0.0001	0.0000	1.1332	0.371779122
Telescopic Handler	50	0.0007	0.0087	0.0068	0.0000	0.0001	0.0001	1.4981	0.491462971
Telescopic Handler	75	0.0005	0.0074	0.0064	0.0000	0.0000	0.0000	1.2656	0.415202043
Telescopic Handler	100	0.0003	0.0076	0.0007	0.0000	0.0001	0.0001	1.3170	0.432065214
Telescopic Handler	175	0.0003	0.0068	0.0006	0.0000	0.0000	0.0000	1.1420	0.37465982
Telescopic Handler	300	0.0003	0.0023	0.0003	0.0000	0.0000	0.0000	1.1332	0.371779122
Telescopic Handler	600	0.0003	0.0022	0.0003	0.0000	0.0000	0.0000	1.1332	0.371779122
Telescopic Handler	750	0.0002	0.0022	0.0004	0.0000	0.0000	0.0000	1.1332	0.371779122
Telescopic Handler	9999	0.0002	0.0021	0.0037	0.0000	0.0000	0.0000	1.1064	0.362989347

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Tractors/Loaders/Backhoes	25	0.0016	0.0128	0.0085	0.0000	0.0005	0.0005	1.2598	0.41331303
Tractors/Loaders/Backhoes	50	0.0010	0.0106	0.0072	0.0000	0.0001	0.0001	1.5225	0.49949221
Tractors/Loaders/Backhoes	75	0.0007	0.0080	0.0066	0.0000	0.0001	0.0001	1.3450	0.441263354
Tractors/Loaders/Backhoes	100	0.0004	0.0080	0.0009	0.0000	0.0001	0.0001	1.3337	0.437543487
Tractors/Loaders/Backhoes	175	0.0004	0.0071	0.0006	0.0000	0.0000	0.0000	1.1456	0.375833628
Tractors/Loaders/Backhoes	300	0.0004	0.0024	0.0005	0.0000	0.0000	0.0000	1.1351	0.372398358
Tractors/Loaders/Backhoes	600	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1254	0.369207212
Tractors/Loaders/Backhoes	750	0.0003	0.0023	0.0005	0.0000	0.0000	0.0000	1.1310	0.371039826
Tractors/Loaders/Backhoes	9999	0.0003	0.0023	0.0040	0.0000	0.0001	0.0001	1.1211	0.367812471
Trenchers	50	0.0008	0.0093	0.0068	0.0000	0.0001	0.0001	1.4642	0.480351396
Trenchers	75	0.0006	0.0080	0.0067	0.0000	0.0001	0.0001	1.4005	0.459445827
Trenchers	100	0.0004	0.0079	0.0014	0.0000	0.0001	0.0001	1.3587	0.445757925
Trenchers	175	0.0004	0.0069	0.0007	0.0000	0.0000	0.0000	1.1540	0.378603023
Trenchers	300	0.0003	0.0024	0.0011	0.0000	0.0001	0.0000	1.1400	0.373980863
Trenchers	600	0.0004	0.0023	0.0015	0.0000	0.0001	0.0001	1.1302	0.370767089
Trenchers	750	0.0004	0.0022	0.0028	0.0000	0.0001	0.0001	1.1332	0.371777105
Trenchers	9999	0.0004	0.0023	0.0041	0.0000	0.0001	0.0001	1.1332	0.371779122
Aerial Lifts	50	0.0009	0.0832	0.0015	0.0000	0.0001	0.0000	0.7944	0.354862622
Aerial Lifts	100	0.0004	0.0218	0.0010	0.0000	0.0001	0.0000	0.7855	0.313627944
Air Compressors	50	0.0016	0.1745	0.0023	0.0000	0.0001	0.0001	0.9670	0.476750398
Air Compressors	100	0.0007	0.0483	0.0018	0.0000	0.0001	0.0001	0.9562	0.395226684
Air Compressors	175	0.0006	0.0340	0.0018	0.0000	0.0001	0.0001	0.9309	0.37702952
Asphalt Pavers	50	0.0017	0.1673	0.0025	0.0000	0.0001	0.0001	1.1400	0.538634073
Asphalt Pavers	100	0.0007	0.0455	0.0018	0.0000	0.0001	0.0001	1.1277	0.45865632
Bore/Drill Rigs	50	0.0014	0.1156	0.0025	0.0000	0.0001	0.0001	1.4019	0.602572704
Bore/Drill Rigs	100	0.0005	0.0284	0.0014	0.0000	0.0001	0.0001	1.3499	0.533679654
Bore/Drill Rigs	175	0.0004	0.0441	0.0016	0.0000	0.0001	0.0001	1.3698	0.550124261
Concrete/Industrial Saws	50	0.0014	0.1110	0.0024	0.0000	0.0001	0.0001	1.3466	0.583193529
Concrete/Industrial Saws	100	0.0005	0.0280	0.0014	0.0000	0.0001	0.0001	1.3324	0.526418162
Cranes	50	0.0013	0.1330	0.0018	0.0000	0.0001	0.0000	0.8158	0.393326479
Cranes	100	0.0005	0.0362	0.0014	0.0000	0.0001	0.0000	0.8004	0.328460735
Cranes	175	0.0005	0.0282	0.0014	0.0000	0.0001	0.0000	0.7873	0.31758
Dumpers/Tenders	100	0.0003	0.0165	0.0008	0.0000	0.0001	0.0000	0.7283	0.287957447
Forklifts	50	0.0011	0.1463	0.0029	0.0000	0.0000	0.0000	0.5181	0.28759794
Forklifts	100	0.0004	0.0415	0.0022	0.0000	0.0000	0.0000	0.5122	0.221218594
Forklifts	175	0.0003	0.0209	0.0018	0.0000	0.0000	0.0000	0.4982	0.203229476
Other	175	0.0003	0.0261	0.0010	0.0000	0.0001	0.0000	0.7967	0.320411904
Other General Industrial Equipment	50	0.0013	0.1331	0.0031	0.0000	0.0001	0.0000	0.9325	0.43817226
Other General Industrial Equipment	100	0.0005	0.0361	0.0029	0.0000	0.0001	0.0000	0.9224	0.3746769
Other General Industrial Equipment	175	0.0003	0.0314	0.0028	0.0000	0.0001	0.0000	0.8974	0.362100512

K Line Northern Extension
OFFROAD Emission Rates

Equipment	MaxHP	ROG (lb/BHP-hr)	CO (lb/BHP-hr)	NO_X (lb/BHP-hr)	SO_X (lb/BHP-hr)	PM_{10} (lb/BHP-hr)	$PM_{2.5}$ (lb/BHP-hr)	CO_2 (lb/BHP-hr)	Energy (lb of fuel/BHP-hr)
Other Material Handling Equipment	50	0.0013	0.1445	0.0033	0.0000	0.0001	0.0000	0.9287	0.439784956
Other Material Handling Equipment	100	0.0005	0.0389	0.0030	0.0000	0.0001	0.0000	0.9050	0.369751921
Paving Equipment	50	0.0011	0.0888	0.0019	0.0000	0.0001	0.0001	1.0191	0.444197379
Paving Equipment	100	0.0004	0.0227	0.0011	0.0000	0.0001	0.0001	1.0094	0.399800143
Rollers	50	0.0021	0.2328	0.0028	0.0000	0.0001	0.0001	1.0716	0.552422821
Rollers	100	0.0008	0.0653	0.0023	0.0000	0.0001	0.0001	1.0597	0.445295944
Rough Terrain Forklifts	50	0.0017	0.1759	0.0024	0.0000	0.0001	0.0001	1.0823	0.520222829
Rough Terrain Forklifts	100	0.0007	0.0486	0.0019	0.0000	0.0001	0.0001	1.0764	0.441317448
Rough Terrain Forklifts	175	0.0007	0.0390	0.0020	0.0000	0.0001	0.0001	1.0899	0.440917154
Rubber Tired Loaders	50	0.0016	0.1720	0.0022	0.0000	0.0001	0.0000	0.9387	0.464282904
Rubber Tired Loaders	100	0.0006	0.0473	0.0018	0.0000	0.0001	0.0000	0.9222	0.381624028
Skid Steer Loaders	50	0.0011	0.0928	0.0019	0.0000	0.0001	0.0001	1.0017	0.440078301
Skid Steer Loaders	100	0.0004	0.0239	0.0011	0.0000	0.0001	0.0001	0.9899	0.393054413
Sweepers/Scrubbers	50	0.0014	0.1350	0.0034	0.0000	0.0001	0.0001	1.2261	0.551659865
Sweepers/Scrubbers	100	0.0005	0.0356	0.0036	0.0000	0.0001	0.0001	1.2124	0.4851778
Sweepers/Scrubbers	175	0.0003	0.0395	0.0035	0.0000	0.0001	0.0001	1.1803	0.474823742
Tractors/Loaders/Backhoes	100	0.0006	0.0470	0.0017	0.0000	0.0001	0.0000	0.8197	0.342321819
Trenchers	50	0.0017	0.1820	0.0025	0.0000	0.0001	0.0001	1.1400	0.547581177
Trenchers	100	0.0007	0.0499	0.0019	0.0000	0.0001	0.0001	1.1268	0.461422558
Forklifts	50	0.0000	0.0072	0.0019	0.0000	0.0000	0.0000	0.4462	0.239967727
Forklifts	100	0.0000	0.0201	0.0020	0.0000	0.0000	0.0000	0.4462	0.250610626
Forklifts	175	0.0000	0.0154	0.0013	0.0000	0.0000	0.0000	0.4462	0.246439365

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Aerial Lifts	50	0.26565613	3.55559275	2.96195333	0.0055892	0.0262181	0.02412065	590.026045	193.5684994
Aerial Lifts	75	0.21995413	3.34098576	2.89231601	0.00550476	0.02192543	0.02017139	581.111759	190.6440101
Aerial Lifts	100	0.12148073	3.36813344	0.31646766	0.00555564	0.0299947	0.02759512	586.482665	192.406031
Aerial Lifts	175	0.13466024	3.05290392	0.25664904	0.00490199	0.01528267	0.01406006	517.480204	169.7685508
Aerial Lifts	300	0.13376847	1.03731927	0.20688986	0.00486927	0.01297239	0.0119346	514.02586	168.6352921
Aerial Lifts	600	0.1450788	1.04103629	0.16366653	0.00477712	0.01254515	0.01154153	504.298398	165.4440259
Air Compressors	50	0.18306953	2.24516984	1.51870466	0.00352646	0.00813686	0.00748591	280.142106	91.99494513
Boom	50	0.32508949	3.88585638	2.98925813	0.0054302	0.02458892	0.0226218	573.241011	188.0618717
Boom	75	0.27816051	3.47158818	2.94314042	0.00541899	0.02145661	0.01974008	572.057773	187.6736894
Boom	100	0.14373509	3.47780325	0.28056135	0.00542311	0.03262968	0.03001931	572.492442	187.8162903
Boom	175	0.16900685	3.21281316	0.25191441	0.00486308	0.01569417	0.01443863	513.372909	168.4210798
Boom	300	0.14743099	1.07693481	0.20177969	0.00478677	0.01335783	0.01228921	505.316768	165.7781202
Boom	600	0.15788171	1.03981032	0.20943994	0.00485137	0.01448785	0.01332882	512.136885	168.0155802
Boom	9999	0.17405474	1.06597101	1.79134517	0.00486927	0.0318515	0.02930338	514.02586	168.6352921
Bore/Drill Rigs	50	0.46503256	4.71845621	3.20481596	0.00594246	0.04091237	0.03763929	627.317589	205.8026514
Bore/Drill Rigs	75	0.31347567	3.58658431	2.98645041	0.00559286	0.03007191	0.02766615	590.412937	193.6954264
Bore/Drill Rigs	100	0.17415276	3.63047785	0.39884925	0.00557795	0.04287491	0.03944499	588.838077	193.1787654
Bore/Drill Rigs	175	0.16906627	3.19002894	0.29233749	0.00489418	0.01728797	0.01590492	516.655656	169.4980434
Bore/Drill Rigs	300	0.17210496	1.10930879	0.26906794	0.00483887	0.01633724	0.01503025	510.816009	167.5822437
Bore/Drill Rigs	600	0.16242222	1.04332037	0.24706101	0.00483193	0.01552307	0.01428122	510.08271	167.3416717
Bore/Drill Rigs	750	0.15650626	1.02489666	0.30457106	0.00479705	0.0202045	0.0185882	506.401816	166.1340892
Bore/Drill Rigs	9999	0.14671784	1.01578713	1.80003215	0.00483671	0.02565722	0.02360462	510.588781	167.5076974
Concrete/Industrial Saws	50	0.22573996	3.04972045	2.23415836	0.00536625	0.01088897	0.01001786	425.252355	139.6472226
Cranes	25	4.77057581	93.8610539	25.5562852	0.26682827	0.57460229	0.52863468	28167.8364	9240.957942
Cranes	50	0.39263967	4.5225895	3.40892326	0.00808186	0.05413097	0.0498005	853.163323	279.8953446
Cranes	75	0.23181411	3.65104546	3.00264519	0.00658505	0.02876573	0.02646447	695.153701	228.0574901
Cranes	100	0.14567375	3.58995308	0.56033068	0.00638298	0.04246577	0.0390685	673.821297	221.0590167
Cranes	175	0.12890361	3.07370443	0.33324726	0.00530889	0.0175893	0.01618217	560.435463	183.8607847
Cranes	300	0.11434996	1.05840887	0.25430988	0.00501238	0.01448469	0.01332591	529.133065	173.5914783
Cranes	600	0.11320795	1.00917492	0.29892778	0.0049287	0.01524888	0.01402898	520.299959	170.6936213
Cranes	750	0.10480425	0.9812948	0.30131435	0.00488742	0.01839736	0.01692558	515.943045	169.2642586
Cranes	9999	0.10225962	0.98410428	1.68394201	0.0048466	0.02261527	0.02080602	511.633199	167.8503373
Crawler Tractors	50	0.41534346	4.40304526	3.14941295	0.00617795	0.03615342	0.03326125	652.176735	213.958135
Crawler Tractors	75	0.2904119	3.60276922	2.99976635	0.00593135	0.0303103	0.02788547	626.143269	205.417395
Crawler Tractors	100	0.16084152	3.59126481	0.43277893	0.00587036	0.04205723	0.03869267	619.706505	203.3057003
Crawler Tractors	175	0.15444353	3.13571187	0.29377502	0.00495298	0.01692393	0.01557003	522.86267	171.5343642
Crawler Tractors	300	0.14504303	1.07820609	0.23598046	0.00489436	0.01462155	0.01345181	516.675564	169.5045743
Crawler Tractors	600	0.13860285	1.0196816	0.25832079	0.00483942	0.01477979	0.0135974	510.875178	167.6016549
Crawler Tractors	750	0.12638603	0.99997752	0.23376478	0.00483537	0.01692932	0.01557506	510.447912	167.4614828
Crawler Tractors	9999	0.12184926	0.99186307	1.7169777	0.00482453	0.02335039	0.02148238	509.303733	167.0861146

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Excavators	25	3.57724928	70.3823586	19.1635912	0.20008401	0.4308709	0.39640108	21121.8844	6929.408507
Excavators	50	0.41506187	4.47043849	3.14984907	0.00587021	0.03834588	0.03527821	619.690474	203.300441
Excavators	75	0.29899188	3.54901372	2.97236427	0.00553286	0.02512886	0.02311854	584.079205	191.6175334
Excavators	100	0.15993368	3.58265824	0.38413423	0.00557004	0.04007892	0.03687261	588.002225	192.9045496
Excavators	175	0.16976094	3.21806783	0.26965031	0.00490444	0.01607402	0.0147881	517.738766	169.8533768
Excavators	300	0.16451016	1.10124145	0.24012819	0.00486233	0.01521269	0.01399568	513.293675	168.3950859
Excavators	600	0.15860949	1.04313723	0.21684414	0.00484479	0.01424563	0.01310598	511.441776	167.7875374
Excavators	750	0.14219519	1.00796096	0.26496503	0.00470856	0.01754126	0.016138	497.060915	163.0696413
Excavators	9999	0.14651772	1.01308573	1.79542231	0.00478551	0.02796822	0.02573074	505.184412	165.7346983
Forklifts	25	24.6739181	567.747284	228.568157	1.17154049	2.59597834	2.38830007	123674.071	40573.47056
Forklifts	50	0.38217953	4.35148723	3.15860722	0.00603306	0.0334865	0.03080758	636.881732	208.9403378
Forklifts	75	0.27001091	3.49430434	2.95459703	0.00554652	0.02350866	0.02162796	585.520212	192.0902812
Forklifts	100	0.15236255	3.55257026	0.39176907	0.00563825	0.03662583	0.03369576	595.204226	195.2672936
Forklifts	175	0.160294	3.17330238	0.2795564	0.00490269	0.01624642	0.01494671	517.553823	169.7927027
Forklifts	300	0.15623911	1.09068705	0.25417807	0.00486661	0.01540776	0.01417514	513.744872	168.5431091
Forklifts	600	0.14950732	1.03458871	0.22035078	0.00484073	0.01410861	0.01297992	511.013693	167.6470974
Forklifts	750	0.12861467	1.00755403	0.19652411	0.00486927	0.01644517	0.01512956	514.02586	168.6352921
Forklifts	9999	0.13947138	0.99855021	1.76287775	0.00474409	0.02630853	0.02420385	500.811097	164.2999549
Graders	50	0.3651512	4.25220069	3.0866313	0.00649543	0.02668051	0.02454609	685.690424	224.9528942
Graders	75	0.28305055	3.71495066	3.02242644	0.00635992	0.02988649	0.02749568	671.387568	220.2605891
Graders	100	0.15363249	3.61479558	0.37394846	0.00596722	0.03948955	0.03633037	629.931011	206.6600307
Graders	175	0.14382624	3.10289496	0.26580309	0.00510178	0.01552027	0.01427867	538.5722	176.6881537
Graders	300	0.13371839	1.06468359	0.27009155	0.00491691	0.01540377	0.01417146	519.055078	170.2852161
Graders	600	0.1307983	1.00877513	0.21278751	0.00486613	0.01401771	0.01289633	513.693983	168.526414
Graders	750	0.12714024	1.0016464	0.23991544	0.00486926	0.01875977	0.01725903	514.02586	168.6352921
Graders	9999	0.13165839	0.9882455	1.83009385	0.00486927	0.02690561	0.02475303	514.025859	168.6352921
Off-Highway Tractors	50	0.53783141	5.14572042	3.27279755	0.0061127	0.03859078	0.03550353	645.288977	211.6984838
Off-Highway Tractors	75	0.37312378	3.73620517	3.06751819	0.00568011	0.03642397	0.03351004	599.623082	196.7169774
Off-Highway Tractors	100	0.20290956	3.70434802	0.4943956	0.00552888	0.04788008	0.04404959	583.657931	191.4793269
Off-Highway Tractors	175	0.18596666	3.29807188	0.26150669	0.00486673	0.01702251	0.01566071	513.758119	168.5474548
Off-Highway Tractors	300	0.18229882	1.12462528	0.26446496	0.00483626	0.01635298	0.01504475	510.541441	167.4921665
Off-Highway Tractors	600	0.17716409	1.06293367	0.21328049	0.00484137	0.01477318	0.01359132	511.080273	167.66894
Off-Highway Tractors	750	0.17713121	1.06092723	0.30961837	0.00484113	0.02151785	0.01979642	511.054562	167.6605051
Off-Highway Tractors	9999	0.15898704	1.02908126	1.76399996	0.00475511	0.02642106	0.02430723	501.974964	164.6817822
Off-Highway Trucks	50	0.54435308	5.39046231	3.36927905	0.00672857	0.04097927	0.03770092	710.304072	233.0278378
Off-Highway Trucks	75	0.33477859	3.67836394	3.00928745	0.00565723	0.02522949	0.02321118	597.206904	195.9243076
Off-Highway Trucks	100	0.17889182	3.68491023	0.29373483	0.00553194	0.03819196	0.0351366	583.980742	191.5852311
Off-Highway Trucks	175	0.18795691	3.27692901	0.27167307	0.00487332	0.01853202	0.01704951	514.45411	168.7757871
Off-Highway Trucks	300	0.18065356	1.12987728	0.23575558	0.00484733	0.01542637	0.01419225	511.710652	167.875747
Off-Highway Trucks	600	0.17110233	1.0551836	0.21401316	0.00482981	0.01440972	0.01325694	509.860458	167.2687583

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Off-Highway Trucks	750	0.15199937	1.02403886	0.26055014	0.00479947	0.01806712	0.01662177	506.657422	166.2179455
Off-Highway Trucks	9999	0.15296652	1.01978392	1.752314	0.00475667	0.02542385	0.02338995	502.139614	164.7357985
Other Construction Equipment	50	0.38458818	4.33847234	3.17436862	0.00640717	0.04035221	0.03712404	676.374771	221.8967293
Other Construction Equipment	75	0.26784584	3.54749287	2.97215942	0.00591659	0.02942413	0.0270702	624.58705	204.9068496
Other Construction Equipment	100	0.16246541	3.56452456	0.52213817	0.00590521	0.04599268	0.04231327	623.385303	204.5125952
Other Construction Equipment	175	0.15140571	3.11263636	0.32910855	0.00500852	0.01787843	0.01644816	528.725815	173.4578728
Other Construction Equipment	300	0.14307211	1.08104946	0.30123328	0.00491462	0.01641563	0.01510238	518.813015	170.205803
Other Construction Equipment	600	0.13442225	1.01353216	0.25526204	0.00485242	0.01487411	0.01368418	512.247205	168.0517727
Other Construction Equipment	750	0.12259688	0.99354347	0.2821078	0.00484422	0.01811846	0.01666898	511.381464	167.7677511
Other Construction Equipment	9999	0.12380935	0.98721059	1.74503216	0.00480629	0.02545547	0.02341904	507.37787	166.4543013
Other General Industrial Equipment	50	0.45174376	4.63506482	3.24237731	0.00592092	0.04050371	0.03726341	625.043888	205.0567235
Other General Industrial Equipment	75	0.3083307	3.56828697	2.9949909	0.00553588	0.03259296	0.02998552	584.397544	191.72197
Other General Industrial Equipment	100	0.17019678	3.54745859	0.46989887	0.0054692	0.04625681	0.04255627	577.357576	189.4123836
Other General Industrial Equipment	175	0.1676036	3.17289416	0.3294439	0.00485897	0.01940068	0.01784863	512.938899	168.2786953
Other General Industrial Equipment	300	0.16388542	1.08531962	0.31796474	0.00483656	0.01761601	0.01620673	510.573023	167.5025276
Other General Industrial Equipment	600	0.15204983	1.02471847	0.27347838	0.00481372	0.01576141	0.0145005	508.162229	166.7116241
Other General Industrial Equipment	750	0.14786304	1.01276679	0.38524565	0.00483431	0.02201091	0.02025004	510.335804	167.4247037
Other General Industrial Equipment	9999	0.14575248	1.01501883	1.79518525	0.00480308	0.0277423	0.02552291	507.038571	166.342988
Other Material Handling Equipment	50	0.39546287	4.44466348	3.18890798	0.00644806	0.03980295	0.03661871	680.692024	223.3130804
Other Material Handling Equipment	75	0.29037834	3.56696348	2.99150523	0.00578219	0.03001282	0.0276118	610.399355	200.252325
Other Material Handling Equipment	100	0.16246129	3.62390295	0.41678266	0.00593808	0.03985536	0.03666693	626.855265	205.6509776
Other Material Handling Equipment	175	0.15846047	3.16148976	0.29490041	0.00499223	0.01712274	0.01575292	527.006847	172.8939349
Other Material Handling Equipment	300	0.14816777	1.07773987	0.24942635	0.0048857	0.01522207	0.01400431	515.76094	169.2045158
Other Material Handling Equipment	600	0.14290027	1.02232697	0.22222807	0.00485613	0.01413001	0.01299961	512.638559	168.1801632
Other Material Handling Equipment	750	0.14153781	1.01490587	0.28933155	0.00486927	0.02179386	0.02005035	514.02586	168.6352921
Other Material Handling Equipment	9999	0.13855303	1.01147403	1.7788042	0.00482304	0.02786654	0.02563721	509.145435	167.0341822
Pavers	50	0.46903198	4.73120453	3.24208997	0.00642727	0.04115147	0.03785941	678.496856	222.5929167
Pavers	75	0.32422833	3.64622839	3.05181627	0.00584602	0.0367273	0.0337891	617.136506	202.4625666
Pavers	100	0.18029468	3.61545258	0.49433889	0.00571146	0.04529222	0.04166898	602.931823	197.8024686
Pavers	175	0.17026735	3.18252063	0.36162106	0.0049334	0.01880952	0.01730477	520.796817	170.8566244
Pavers	300	0.15593708	1.0816185	0.2671908	0.00486679	0.01590537	0.01463293	513.763949	168.5493674
Pavers	600	0.14899339	1.02981817	0.24575948	0.00483874	0.01491115	0.01371824	510.802103	167.5776813
Pavers	750	0.13088508	1.01047364	0.19043571	0.00486926	0.01630919	0.01500443	514.025857	168.6352921
Pavers	9999	0.15998227	1.0282259	1.86598619	0.00480383	0.03208371	0.02951701	507.116884	166.36868
Paving Equipment	50	0.39498839	4.35444279	3.14392955	0.00601606	0.03848991	0.03541072	635.088917	208.352173
Paving Equipment	75	0.30830339	3.62970447	3.01678812	0.00585473	0.03138244	0.02887183	618.056406	202.764356
Paving Equipment	100	0.16388295	3.6105583	0.39678208	0.00584628	0.03873399	0.03563526	617.163496	202.4714213
Paving Equipment	175	0.16109183	3.1748189	0.26624875	0.00491567	0.01642949	0.01511512	518.923905	170.2421824
Paving Equipment	300	0.15249206	1.08879134	0.25448453	0.00488952	0.01559633	0.01434859	516.163675	169.3366403
Paving Equipment	600	0.14640816	1.02787038	0.20997421	0.004866	0.01427944	0.0131371	513.680348	168.5219408

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Paving Equipment	750	0.14109473	1.02203058	0.2542835	0.00486927	0.01967347	0.01809957	514.02586	168.6352921
Paving Equipment	9999	0.14955322	1.01930103	1.81300553	0.00482763	0.02887593	0.02656586	509.631318	167.1935846
Portable Equipment - Non-Rental Other	50	0.06623912	1.27089139	1.00389824	0.00199352	0.00464915	0.00427722	215.248058	70.68460186
Portable Equipment - Non-Rental Other	75	0.05284773	1.19867552	0.91107971	0.00179335	0.00509027	0.00468305	193.617738	63.58149236
Portable Equipment - Non-Rental Other	100	0.02947197	1.2278387	0.03003466	0.00179393	0.00619319	0.00569773	193.617738	63.58149236
Portable Equipment - Non-Rental Other	175	0.02710994	1.06964657	0.05163061	0.00179399	0.0033619	0.00309294	193.617738	63.58149236
Portable Equipment - Non-Rental Other	300	0.03126998	0.37320723	0.05555949	0.00179389	0.00374723	0.00344745	193.617738	63.58149236
Portable Equipment - Non-Rental Other	600	0.03208593	0.3664109	0.06139668	0.00179387	0.00365096	0.00335889	193.617738	63.58149236
Portable Equipment - Non-Rental Other	750	0.03055284	0.3641715	0.05668359	0.00179391	0.00438763	0.00403662	193.617738	63.58149236
Portable Equipment - Non-Rental Other	9999	0.03488991	0.37191548	0.60246435	0.0017938	0.00692036	0.00636673	193.617738	63.58149236
Rollers	50	0.41765074	4.54251908	3.1987431	0.00652784	0.04018052	0.03696608	689.113538	226.0759075
Rollers	75	0.28056938	3.54199874	2.98141471	0.00575694	0.02765074	0.0254387	607.732459	199.3774025
Rollers	100	0.16933612	3.61304293	0.47035924	0.00586596	0.04355388	0.0400696	619.241627	203.1531891
Rollers	175	0.15980255	3.16048083	0.28278974	0.00494952	0.01672001	0.01538242	522.498669	171.4149473
Rollers	300	0.14782454	1.10920833	0.25175857	0.00493402	0.01489469	0.01370312	520.862157	170.8780604
Rollers	600	0.14247216	1.03060432	0.21690073	0.00483663	0.01367854	0.01258424	510.580091	167.5048466
Rollers	750	0.13326399	1.0015188	0.28169451	0.00486927	0.01867734	0.01718311	514.025861	168.6352921
Rollers	9999	0.14735047	1.01927135	1.79167984	0.00484373	0.03020899	0.02779235	511.33054	167.7510447
Rough Terrain Forklifts	50	0.30871756	3.85504012	3.00997541	0.00604537	0.02782902	0.02560269	638.182739	209.3671563
Rough Terrain Forklifts	75	0.23021637	3.36808636	2.8957372	0.00552883	0.01994812	0.0183523	583.652657	191.4775965
Rough Terrain Forklifts	100	0.14596564	3.51740706	0.40373482	0.00590428	0.03644155	0.03352623	623.287905	204.4806422
Rough Terrain Forklifts	175	0.14498931	3.09447782	0.28837506	0.00496543	0.01640456	0.0150922	524.177427	171.9656935
Rough Terrain Forklifts	300	0.13268614	1.0556003	0.27989622	0.00490625	0.01535945	0.01413068	517.93	169.9161142
Rough Terrain Forklifts	600	0.12417495	1.01560315	0.16355883	0.0048722	0.01137537	0.01046535	514.335885	168.7370016
Rough Terrain Forklifts	750	0.11329756	0.98786675	0.16234007	0.00486928	0.01394011	0.01282489	514.026725	168.6355772
Rubber Tired Dozers	50	0.39363079	5.0384408	3.20529268	0.00890217	0.0292166	0.02687928	939.760928	308.3052248
Rubber Tired Dozers	75	0.30681603	3.72321053	2.97010957	0.00616009	0.02362103	0.02173135	650.291654	213.3397009
Rubber Tired Dozers	100	0.16226358	3.63075907	0.31135538	0.00575069	0.03691989	0.03396623	607.0736	199.1612523
Rubber Tired Dozers	175	0.17103489	3.22669058	0.26971866	0.00494666	0.01604264	0.01475922	522.197098	171.3160116
Rubber Tired Dozers	300	0.16447727	1.10357763	0.19225785	0.00487135	0.01372585	0.01262777	514.245989	168.7075091
Rubber Tired Dozers	600	0.15501228	1.04329085	0.18025517	0.00484358	0.01283563	0.01180878	511.314128	167.7456605
Rubber Tired Dozers	750	0.14519386	1.01836134	0.22134691	0.00473926	0.01666406	0.01533094	500.300878	164.1325684
Rubber Tired Dozers	9999	0.14003047	1.02223006	1.93946209	0.00486926	0.03258999	0.0299828	514.02586	168.6352921
Rubber Tired Loaders	50	0.46950566	4.83347657	3.20714881	0.00614169	0.03658498	0.03365824	648.349381	212.7025036
Rubber Tired Loaders	75	0.32806612	3.66566558	3.00813027	0.00573913	0.02841414	0.026141	605.853527	198.7609856
Rubber Tired Loaders	100	0.17502665	3.66010882	0.38533341	0.00570398	0.04088617	0.03761524	602.142933	197.5436595
Rubber Tired Loaders	175	0.17517478	3.23714351	0.26064931	0.00490993	0.01640648	0.01509396	518.318541	170.0435821
Rubber Tired Loaders	300	0.1666124	1.10773536	0.21894307	0.00486524	0.0146082	0.01343955	513.600732	168.4958214
Rubber Tired Loaders	600	0.16326665	1.04968787	0.20658527	0.00483751	0.01413113	0.01300064	510.673357	167.535444
Rubber Tired Loaders	750	0.1388709	1.01307971	0.22963045	0.00481366	0.01668334	0.01534867	508.155441	166.709397

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Rubber Tired Loaders	9999	0.14565668	1.01590387	1.74863127	0.00478239	0.02504212	0.02303879	504.854349	165.6264153
Scrapers	50	0.3671962	4.39579153	3.16577546	0.00711437	0.02874568	0.02644602	751.031119	246.3890679
Scrapers	75	0.27076702	3.57957256	3.01928437	0.0061074	0.03629018	0.033387	644.728035	211.5144569
Scrapers	100	0.14663903	3.52817079	0.43687005	0.00581662	0.04165153	0.03831952	614.0325	201.4442424
Scrapers	175	0.13402001	3.0723575	0.17643707	0.00495392	0.01219793	0.01122209	522.962412	171.5670864
Scrapers	300	0.12629995	1.05935247	0.23465434	0.00491921	0.0140208	0.01289915	519.298404	170.3650435
Scrapers	600	0.11966569	0.99993593	0.20144122	0.00484486	0.01240669	0.01141415	511.44878	167.7898355
Scrapers	750	0.10266607	0.97850594	0.18875742	0.00481812	0.01438358	0.0132329	508.626737	166.864014
Signal Boards	50	0.22975181	3.17811222	2.36950436	0.00573014	0.01133872	0.01043162	455.110921	149.4523788
Skid Steer Loaders	50	0.40642588	4.42048759	3.14563484	0.00618359	0.03610221	0.03321403	652.774534	214.1542531
Skid Steer Loaders	75	0.28962338	3.53682959	2.96901779	0.00560987	0.02614309	0.02405165	592.207776	194.284255
Skid Steer Loaders	100	0.16278146	3.59689345	0.44283408	0.00569093	0.0434383	0.03996324	600.765587	197.0917967
Skid Steer Loaders	175	0.15873449	3.18292589	0.27575913	0.0048921	0.01472978	0.01355137	516.43733	169.4264175
Skid Steer Loaders	300	0.16595926	1.10311403	0.25595775	0.00487553	0.01587933	0.01460902	514.686626	168.8520681
Skid Steer Loaders	600	0.14975315	1.02710023	0.20581177	0.00484831	0.01413353	0.01300284	511.813457	167.909474
Skid Steer Loaders	750	0.16093558	1.02712448	0.1836837	0.00456567	0.01531858	0.01409309	481.977093	158.1211267
Skid Steer Loaders	9999	0.14517541	1.02376068	1.77998216	0.0048628	0.02821088	0.02595395	513.342926	168.4112433
Surfacing Equipment	50	0.48933428	5.13598135	3.30986648	0.0070284	0.03561759	0.03276814	741.953167	243.4108838
Surfacing Equipment	75	0.30907016	3.64798662	2.98569953	0.0058013	0.02592669	0.02385256	612.415494	200.9137553
Surfacing Equipment	100	0.167193	3.73320819	0.3925397	0.00614715	0.03718451	0.03420965	648.925036	212.8913572
Surfacing Equipment	175	0.17430215	3.23165135	0.31366907	0.00498002	0.0190958	0.01756816	525.719088	172.4714628
Surfacing Equipment	300	0.16727679	1.11358308	0.36054486	0.00490545	0.01893816	0.01742312	517.844855	169.888181
Surfacing Equipment	600	0.15783202	1.04338188	0.22565083	0.00485734	0.01475218	0.01357205	512.76694	168.2222811
Surfacing Equipment	750	0.14440473	1.02033189	0.28226938	0.00486058	0.01908226	0.01755571	513.107734	168.3340844
Surfacing Equipment	9999	0.13747473	1.01130895	1.79817471	0.00484435	0.02552482	0.02348285	511.395954	167.7725049
Sweepers/Scrubbers	50	0.3441512	3.9913436	3.1038639	0.00586954	0.0361622	0.03326922	619.620354	203.2774371
Sweepers/Scrubbers	75	0.2428311	3.38671555	2.93751361	0.00550994	0.02789947	0.02566751	581.658463	190.8233661
Sweepers/Scrubbers	100	0.14377139	3.40217729	0.44034919	0.0055119	0.03895272	0.0358365	581.865314	190.891227
Sweepers/Scrubbers	175	0.14589488	3.07224874	0.33879732	0.00487552	0.01909579	0.01756813	514.685775	168.851789
Sweepers/Scrubbers	300	0.1394109	1.04896956	0.26106907	0.00484534	0.01535951	0.01413075	511.50007	167.8066617
Sweepers/Scrubbers	600	0.14873668	1.03560141	0.27355774	0.00486663	0.01758072	0.01617427	513.747253	168.54389
Sweepers/Scrubbers	9999	0.11272964	0.9871325	1.70595715	0.00486927	0.02360998	0.02172118	514.02586	168.6352921
Telescopic Handler	50	0.30409277	3.95687629	3.0692502	0.00643679	0.02658575	0.02445889	679.502051	222.9226889
Telescopic Handler	75	0.22955269	3.34639306	2.88797427	0.00543799	0.01878537	0.01728254	574.062863	188.3314947
Telescopic Handler	100	0.13144076	3.43939981	0.33028891	0.00565885	0.03245774	0.02986112	597.378067	195.9804606
Telescopic Handler	175	0.14025477	3.08277372	0.26059925	0.004907	0.01476651	0.01358519	518.008744	169.9419476
Telescopic Handler	300	0.13333929	1.04501349	0.15042424	0.00486927	0.01181556	0.01087031	514.02586	168.6352921
Telescopic Handler	600	0.12468005	1.00249575	0.14057845	0.00486927	0.01085195	0.0099838	514.02586	168.6352921
Telescopic Handler	750	0.11317693	0.98770752	0.16232112	0.00486927	0.01435716	0.01320858	514.02586	168.6352921
Telescopic Handler	9999	0.10940055	0.96597995	1.69286078	0.00475415	0.02212246	0.02035266	501.873021	164.6483379

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Tractors/Loaders/Backhoes	25	0.70900512	5.81608839	3.86454903	0.00541324	0.24758823	0.22778073	571.45097	187.4746572
Tractors/Loaders/Backhoes	50	0.46659623	4.80888817	3.24653093	0.00654193	0.04092687	0.03765275	690.603365	226.5646717
Tractors/Loaders/Backhoes	75	0.31011463	3.62515116	3.00407421	0.00577932	0.02852103	0.02623935	610.095515	200.1526448
Tractors/Loaders/Backhoes	100	0.17137929	3.62979766	0.4284097	0.00573059	0.04291477	0.03948159	604.952386	198.4653502
Tractors/Loaders/Backhoes	175	0.16637487	3.20195169	0.28902564	0.00492237	0.01661079	0.01528193	519.631664	170.4743754
Tractors/Loaders/Backhoes	300	0.16009419	1.096648	0.24578137	0.00487737	0.01526112	0.01404023	514.882022	168.9161713
Tractors/Loaders/Backhoes	600	0.1553695	1.04042988	0.22522292	0.00483559	0.01437007	0.01322047	510.469909	167.4686994
Tractors/Loaders/Backhoes	750	0.14269124	1.02111865	0.22307097	0.00485958	0.01765696	0.0162444	513.003701	168.2999548
Tractors/Loaders/Backhoes	9999	0.15508459	1.02598823	1.80863313	0.00481732	0.02932249	0.02697667	508.541525	166.8360589
Trenchers	50	0.36552481	4.19858754	3.09983921	0.00629126	0.03357048	0.03088477	664.139067	217.8825896
Trenchers	75	0.29112265	3.60708083	3.02910093	0.00601744	0.03518901	0.03237386	635.234799	208.4000325
Trenchers	100	0.19254382	3.60134947	0.63553206	0.00583817	0.05468422	0.05030924	616.309757	202.1913371
Trenchers	175	0.15981165	3.13846341	0.339191	0.00495865	0.01877567	0.01727361	523.460659	171.7305451
Trenchers	300	0.15847389	1.09617758	0.51966689	0.00489809	0.02311691	0.02126755	517.07001	169.6339795
Trenchers	600	0.16663783	1.02088938	0.66506847	0.00485602	0.02744401	0.02524863	512.626611	168.1762437
Trenchers	750	0.1723695	0.9967061	1.25468418	0.00486924	0.04314702	0.03969517	514.023072	168.6343768
Trenchers	9999	0.16956542	1.04962094	1.857779	0.00486926	0.03588923	0.03301808	514.02586	168.6352921
Aerial Lifts	50	0.42142359	37.726753	0.69118951	0.00438104	0.02484131	0.01876899	360.337014	160.9621367
Aerial Lifts	100	0.16367748	9.87874456	0.44922296	0.00344225	0.02484131	0.01876899	356.288768	142.2584992
Air Compressors	50	0.73327832	79.1559216	1.03367471	0.00533262	0.03023691	0.02284567	438.603212	216.2492131
Air Compressors	100	0.29720265	21.9110701	0.82527377	0.00419022	0.03023914	0.02284735	433.707749	179.2708716
Air Compressors	175	0.29369512	15.4351611	0.82890557	0.00419475	0.03027185	0.02287207	422.264354	171.0168201
Asphalt Pavers	50	0.74905412	75.893043	1.11743501	0.00628685	0.03564762	0.02693372	517.088257	244.319029
Asphalt Pavers	100	0.2991617	20.6555149	0.82697147	0.0049418	0.03566293	0.02694536	511.499379	208.04192
Bore/Drill Rigs	50	0.64972718	52.4561677	1.13753545	0.00773116	0.04383716	0.03312144	635.882278	273.3209528
Bore/Drill Rigs	100	0.24067671	12.8923711	0.65719854	0.00591551	0.04268994	0.0322546	612.283849	242.0717541
Bore/Drill Rigs	175	0.19064024	19.98281	0.72893137	0.00617223	0.04454258	0.03365427	621.327506	249.5308637
Concrete/Industrial Saws	50	0.62419855	50.3279966	1.0930859	0.00742644	0.04210931	0.03181594	610.819113	264.5307526
Concrete/Industrial Saws	100	0.23749424	12.6998173	0.64778634	0.00583893	0.0421373	0.03183704	604.358085	238.7780141
Cranes	50	0.57608195	60.3445218	0.83453542	0.00449879	0.02550889	0.0192734	370.020788	178.4089575
Cranes	100	0.23001545	16.4424846	0.63703045	0.00350775	0.02531399	0.01912615	363.068399	148.9865047
Cranes	175	0.22373945	12.7856382	0.65061795	0.00354761	0.02560169	0.01934347	357.119456	144.0511122
Dumpers/Tenders	100	0.13500195	7.47450226	0.36918541	0.00319179	0.02303389	0.01740335	330.365559	130.6146183
Forklifts	50	0.51713042	66.3663704	1.3102264	0.00285703	0.01619989	0.01223992	234.988405	130.4515496
Forklifts	100	0.18218395	18.8390338	0.98672564	0.00224481	0.01619992	0.01223994	232.348854	100.3425421
Forklifts	175	0.12479704	9.46135803	0.80004915	0.00224488	0.01620037	0.01224028	225.980169	92.18285816
Other	175	0.12796468	11.8245589	0.45864543	0.00358976	0.02590596	0.01957339	361.363976	145.3356358
Other General Industrial Equipment	50	0.57754343	60.3715482	1.40352214	0.00514263	0.02915964	0.02203172	422.976687	198.7505555
Other General Industrial Equipment	100	0.20654166	16.3798932	1.33736881	0.0040424	0.02917237	0.02204134	418.407354	169.9496952
Other General Industrial Equipment	175	0.13605085	14.2599279	1.26342482	0.00404382	0.02918259	0.02204907	407.07017	164.2451713

K Line Northern Extension
OFFROAD Emission Rates

Equipment	MaxHP	ROG (g/BHP-hr)	CO (g/BHP-hr)	NO_X (g/BHP-hr)	SO_X (g/BHP-hr)	PM_{10} (g/BHP-hr)	$PM_{2.5}$ (g/BHP-hr)	CO_2 (g/BHP-hr)	Energy (g of fuel/BHP-hr)
Other Material Handling Equipment	50	0.60728493	65.5463993	1.4886414	0.00512144	0.02903949	0.02194095	421.233933	199.4820583
Other Material Handling Equipment	100	0.21348799	17.6660743	1.35142288	0.003966	0.02862104	0.02162479	410.499992	167.715774
Paving Equipment	50	0.48656485	40.2782496	0.83936135	0.00562034	0.03186835	0.02407833	462.268564	201.4834892
Paving Equipment	100	0.1863042	10.2790673	0.50940208	0.00442339	0.03192186	0.02411877	457.842091	181.3453468
Rollers	50	0.9316001	105.618099	1.2485175	0.00590955	0.03350823	0.02531733	486.055827	250.5734672
Rollers	100	0.38219628	29.6013347	1.06300629	0.00464385	0.03351276	0.02532075	480.659944	201.981787
Rough Terrain Forklifts	50	0.76260416	79.803883	1.10572887	0.00596877	0.03384406	0.02557106	490.926913	235.9678731
Rough Terrain Forklifts	100	0.30856243	22.0348966	0.85452387	0.00471728	0.03404275	0.02572117	488.26152	200.1771813
Rough Terrain Forklifts	175	0.30869252	17.6872361	0.89856294	0.00491097	0.03544041	0.02677724	494.361874	199.9956118
Rubber Tired Loaders	50	0.71975728	78.0037756	1.00981808	0.00517658	0.02935211	0.02217722	425.769051	210.5940826
Rubber Tired Loaders	100	0.29011706	21.4746046	0.80488545	0.00404153	0.02916611	0.02203662	418.317515	173.1008429
Skid Steer Loaders	50	0.49479822	42.0834111	0.83943554	0.00552421	0.03132324	0.02366644	454.3619	199.6151167
Skid Steer Loaders	100	0.19006554	10.822088	0.5204388	0.00433809	0.03130619	0.0236536	449.012378	178.2855513
Sweepers/Scrubbers	50	0.65057973	61.236873	1.54724963	0.00676156	0.03833927	0.02896745	556.13237	250.2273984
Sweepers/Scrubbers	100	0.23407198	16.1388746	1.62152663	0.00531292	0.03834123	0.02896893	549.912667	220.0717984
Sweepers/Scrubbers	175	0.15157312	17.935954	1.60753869	0.00531832	0.03838016	0.02899835	535.367712	215.3753013
Tractors/Loaders/Backhoes	100	0.28017083	21.3354587	0.77737619	0.0035922	0.02592347	0.0195867	371.809839	155.2737538
Trenchers	50	0.79329856	82.5591802	1.15598904	0.00628687	0.03564772	0.02693385	517.090071	248.3773462
Trenchers	100	0.31857887	22.6205485	0.88201153	0.00493792	0.03563494	0.02692424	511.097913	209.2966579
Forklifts	50	0	3.24351574	0.84842421	0	0.01799991	0	202.396986	108.8469615
Forklifts	100	0	9.12498575	0.91463887	0	0.0179999	0	202.396854	113.6744739
Forklifts	175	0	7.00526332	0.59684855	0	0.01799985	0	202.39631	111.7824314

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory
Region Type: Air Basin
Region: South Coast
Calendar Year: 2041
Scenario: All Adopted Rules - Exhaust
Vehicle Classification: OFFROAD2021 Equipment Types
Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	15	Diesel	0.001377257	0.001656537	0.001979828	0.008689235	0.010373893	0.019886779	0.000364827	0.000275647
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	25	Diesel	0.002536247	0.003050548	0.003645897	0.010411962	0.01927708	0.027867823	0.000648265	0.000489801
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	50	Diesel	0.003244547	0.003925902	0.004672148	0.052545029	0.043772146	8.719484465	0.000387455	0.000356458
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	75	Diesel	0.005354645	0.006479121	0.007710689	0.098414383	0.085198058	17.11762925	0.000645851	0.000594183
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	100	Diesel	0.000589881	0.000713756	0.000849428	0.019789347	0.001859394	3.44585788	0.000176233	0.000162134
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	175	Diesel	0.001069518	0.001294117	0.001540106	0.029339125	0.002466458	4.973106472	0.00014687	0.00013512
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	300	Diesel	2.21955E-05	2.68565E-05	3.19615E-05	0.000208261	4.1537E-05	0.103200269	2.60445E-06	2.39609E-06
South Coast	2041	Industrial - Aerial Lifts	Aerial Lifts	600	Diesel	1.36904E-05	1.65654E-05	1.97142E-05	0.000118867	1.86877E-05	0.057581721	1.43243E-06	1.31783E-06
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	15	Diesel	0.000206636	0.000248538	0.000297043	0.001303685	0.001556442	0.215739571	4.13566E-05	5.47367E-05
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	25	Diesel	0.000857317	0.001031165	0.001232407	0.003519516	0.006516155	0.861156543	0.000165564	0.00021913
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	50	Diesel	0.006631157	0.007891625	0.009548866	0.09678311	0.06546719	12.07615734	0.000350758	0.000322697
South Coast	2041	Industrial - Boom	Boom	50	Diesel	0.00517909	0.006266699	0.007457889	0.074907038	0.057623455	11.05027611	0.000473997	0.000436077
South Coast	2041	Industrial - Boom	Boom	75	Diesel	0.007443122	0.009006177	0.010718095	0.112401786	0.095291902	18.5218731	0.000694714	0.000639137
South Coast	2041	Industrial - Boom	Boom	100	Diesel	0.00035298	0.000427106	0.000508292	0.010334232	0.000833683	1.701151421	9.69585E-05	8.92019E-05
South Coast	2041	Industrial - Boom	Boom	175	Diesel	0.000416837	0.000504373	0.000600245	0.009588103	0.000751796	1.532075506	4.68366E-05	4.30897E-05
South Coast	2041	Industrial - Boom	Boom	300	Diesel	5.68242E-05	6.87573E-05	8.18269E-05	0.00050225	9.41039E-05	0.23566438	6.22969E-06	5.73131E-06
South Coast	2041	Industrial - Boom	Boom	600	Diesel	5.98821E-05	7.24573E-05	8.62302E-05	0.000477204	9.61191E-05	0.235037026	6.64897E-06	6.11705E-06
South Coast	2041	Industrial - Boom	Boom	9999	Diesel	3.8486E-05	4.6568E-05	5.54198E-05	0.000285199	0.000479271	0.137526655	8.52181E-06	7.84006E-06
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	15	Diesel	0.000138039	0.000166031	0.000198433	0.0008709	0.00103975	0.001993203	3.66E-05	2.76E-05
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	25	Diesel	0.000850557	0.001023033	0.00122269	0.003491761	0.006464771	0.009345766	0.000217402	0.00016426
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	50	Diesel	0.000328611	0.000397619	0.000473199	0.004034444	0.002740229	0.536378335	3.50E-05	3.22E-05
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	75	Diesel	0.000843162	0.001020226	0.001214153	0.011672761	0.009719588	1.921535507	9.79E-05	9.00E-05
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	100	Diesel	0.000359124	0.00043454	0.000517138	0.009058644	0.000995195	1.469248605	0.00010698	9.84E-05
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	175	Diesel	0.002826202	0.003419705	0.004069732	0.064524744	0.005913113	10.45039861	0.000349684	0.000321709
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	300	Diesel	0.00347909	0.004209699	0.00500989	0.027133768	0.00658142	12.49459408	0.00039961	0.000367641
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	600	Diesel	0.00480216	0.005810613	0.00691511	0.037324518	0.008838544	18.24807783	0.000555334	0.000510907
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	750	Diesel	0.001854649	0.002244125	0.002670695	0.014695874	0.004367209	7.261236744	0.00028971	0.000266534
South Coast	2041	Construction and Mining - Bore/Drill Rigs	Bore/Drill Rigs	9999	Diesel	0.00057	0.0006897	0.0008208	0.004775073	0.008461699	2.40020634	0.000120611	0.000110962
South Coast	2041	Construction and Mining - Misc - Cement And Mortar Mixers	Cement And Mortar Mixers	15	Diesel	0.000963517	0.001158899	0.001385071	0.006078916	0.007257491	0.013912626	0.000255231	0.000192841
South Coast	2041	Construction and Mining - Misc - Cement And Mortar Mixers	Cement And Mortar Mixers	25	Diesel	0.000247337	0.000297492	0.000355552	0.001015385	0.001879922	0.002717699	6.32E-05	4.78E-05
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	25	Diesel	0.00016558	0.000199156	0.000238024	0.000679748	0.001258511	0.001819361	4.23E-05	3.20E-05
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	50	Diesel	0.000288559	0.00034341	0.000415526	0.004639429	0.003398744	0.64692097	1.66E-05	1.52E-05
South Coast	2041	Construction and Mining - Cranes	Cranes	25	Diesel	4.67E-06	5.65E-06	6.72E-06	0.000111171	3.03E-05	0.033362576	6.81E-07	6.26E-07
South Coast	2041	Construction and Mining - Cranes	Cranes	50	Diesel	2.15E-05	2.60E-05	3.10E-05	0.000299555	0.000225791	0.056509515	3.59E-06	3.30E-06
South Coast	2041	Construction and Mining - Cranes	Cranes	75	Diesel	5.06E-05	6.13E-05	7.29E-05	0.000964745	0.000793413	0.183686033	7.60E-06	6.99E-06
South Coast	2041	Construction and Mining - Cranes	Cranes	100	Diesel	9.79E-05	0.000118438	0.000140951	0.002918761	0.000455569	0.547840955	3.45E-05	3.18E-05
South Coast	2041	Construction and Mining - Cranes	Cranes	175	Diesel	0.000897678	0.00108619	0.001292656	0.025900183	0.002808066	4.722438789	0.000148214	0.000136357
South Coast	2041	Construction and Mining - Cranes	Cranes	300	Diesel	0.002845865	0.003443496	0.004098045	0.031872568	0.007658202	15.93413476	0.000436187	0.000401292
South Coast	2041	Construction and Mining - Cranes	Cranes	600	Diesel	0.004068214	0.004922539	0.005858229	0.043881219	0.012998059	22.62382462	0.000663056	0.000610012
South Coast	2041	Construction and Mining - Cranes	Cranes	750	Diesel	0.00059039	0.000714372	0.000850161	0.006688751	0.002053834	3.516796938	0.000125401	0.000115369
South Coast	2041	Construction and Mining - Cranes	Cranes	9999	Diesel	0.000195113	0.000236086	0.000280962	0.002271994	0.003887704	1.181203644	5.22E-05	4.80E-05
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	50	Diesel	0.000145758	0.000176367	0.000209892	0.001869662	0.001337333	0.276933347	1.54E-05	1.41E-05
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	75	Diesel	0.0007667	0.000927707	0.001104048	0.011508875	0.009582611	2.000184908	9.68E-05	8.91E-05
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	100	Diesel	0.001672568	0.002023807	0.002408497	0.045187505	0.005445491	7.79752881	0.00052919	0.000486855
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	175	Diesel	0.006640949	0.008035549	0.009562967	0.163148086	0.015284833	27.20404408	0.000880536	0.000810094
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	300	Diesel	0.00784345	0.009490574	0.011294568	0.070550061	0.015440866	33.8075374	0.000956729	0.00088019
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	600	Diesel	0.013600107	0.016456129	0.019584154	0.12106542	0.030670079	60.65552036	0.001754784	0.001614401
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	750	Diesel	0.000894837	0.001082753	0.001288566	0.008566838	0.00200267	4.373022896	0.000145034	0.000133432
South Coast	2041	Construction and Mining - Crawler Tractors	Crawler Tractors	9999	Diesel	0.001323075	0.001600921	0.001905228	0.013031629	0.022558574	6.691505641	0.00030679	0.000282247
South Coast	2041	Construction and Mining - Misc - Dumpers/Tenders	Dumpers/Tenders	25	Diesel	0.00012218	0.000146956	0.000175636	0.000501581	0.000928645	0.001342491	3.12E-05	2.36E-05
South Coast	2041	Construction and Mining - Excavators	Excavators	25	Diesel	2.33E-06	2.83E-06	3.36E-06	5.56E-05	1.51E-05	0.016681288	3.40E-07	3.13E-07
South Coast	2041	Construction and Mining - Misc - Excavators	Excavators	25	Diesel	0.00087289	0.001049895	0.001254794	0.003583443	0.006634516	0.009591159	0.000223111	0.000168573

rs/year for Horsepower-hours

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Aerial Lifts	15	Diesel	1.88739E-07	1.62581E-07	646.8527044	0	301.4454683	0
Aerial Lifts	25	Diesel	2.64485E-07	2.2783E-07	906.4502763	0	422.8741188	0
Aerial Lifts	50	Diesel	8.2598E-05	0	283341.1689	339354.5208	1472.973272	4893346.362
Aerial Lifts	75	Diesel	0.000162152	0	556240.3488	462684.3922	1606.629536	9753719.985
Aerial Lifts	100	Diesel	3.26419E-05	0	111973.753	78075.18761	277.2620663	1945487.805
Aerial Lifts	175	Diesel	4.71093E-05	0	161601.9625	86383.18268	195.947097	3182147.808
Aerial Lifts	300	Diesel	9.77596E-07	0	3353.510744	914.7821459	2.329213215	66478.65008
Aerial Lifts	600	Diesel	5.4546E-07	0	1871.12807	323.8764348	0.931685286	37807.97208
Air Compressors	15	Diesel	2.04752E-06	1.76375E-06	7017.311553	0	26.52417197	0
Air Compressors	25	Diesel	8.17297E-06	7.04027E-06	28010.64135	0	53.09278986	0
Air Compressors	50	Diesel	0.000152016	9.88157E-05	392798.4	385775.8	473.98	14273704.6
Boom	50	Diesel	0.000104677	0	359080.65	393251.573	993.2069016	6382961.249
Boom	75	Diesel	0.000175454	0	601871.4979	466484.2966	919.9850021	10720902.46
Boom	100	Diesel	1.61147E-05	0	55279.21221	36849.37892	75.47314539	983919.451
Boom	175	Diesel	1.45131E-05	0	49785.06088	25532.67509	33.51682832	988174.2988
Boom	300	Diesel	2.2324E-06	0	7657.955153	2069.227833	3.25123783	154424.6292
Boom	600	Diesel	2.22646E-06	0	7637.569151	1195.112191	1.85279948	151962.5451
Boom	9999	Diesel	1.30276E-06	0	4468.952646	260.5609481	0.465842643	88590.72234
Bore/Drill Rigs	15	Diesel	1.89E-08	1.63E-08	64.83244772	0	12.43205622	0
Bore/Drill Rigs	25	Diesel	8.87E-08	7.64E-08	303.9875803	0	47.82734255	0
Bore/Drill Rigs	50	Diesel	5.08E-06	0	17429.70758	14254.11741	29.72150222	283119.7034
Bore/Drill Rigs	75	Diesel	1.82E-05	0	62440.63155	33877.73261	70.49727467	1077652.846
Bore/Drill Rigs	100	Diesel	1.39E-05	0	47743.48975	18815.8761	35.93417811	826201.032
Bore/Drill Rigs	175	Diesel	9.90E-05	0	339587.5262	95722.62494	145.8197114	6697581.38
Bore/Drill Rigs	300	Diesel	0.000118359	0	406014.0145	71657.11097	114.1909612	8099234.679
Bore/Drill Rigs	600	Diesel	0.000172861	0	592974.4726	58359.87893	98.29991885	11845757.93
Bore/Drill Rigs	750	Diesel	6.88E-05	0	235955.1548	14532.52924	25.97455884	4747901.21
Bore/Drill Rigs	9999	Diesel	2.27E-05	0	77995.12377	3649.899385	6.313835868	1556552.03
Cement And Mortar Mixers	15	Diesel	1.32E-07	1.14E-07	452.5327792	0	383.9932616	0
Cement And Mortar Mixers	25	Diesel	2.58E-08	2.22E-08	88.3979793	0	34.2408467	0
Concrete/Industrial Saws	25	Diesel	1.73E-08	1.49E-08	59.17794515	0	12.37639777	0
Concrete/Industrial Saws	50	Diesel	8.16E-06	5.29E-06	21042.25	15264.3	26.33	503721.9
Cranes	25	Diesel	3.16E-07	0	1084.122734	62.17777228	0.563876579	392.1862987
Cranes	50	Diesel	5.35E-07	0	1836.286537	1889.954304	9.439650288	21931.8736
Cranes	75	Diesel	1.74E-06	0	5968.90969	4915.310468	25.46788588	87494.67592
Cranes	100	Diesel	5.19E-06	0	17802.18741	10839.51149	53.47508502	269213.0411
Cranes	175	Diesel	4.47E-05	0	153456.4724	66162.81391	236.2548147	2790146.843
Cranes	300	Diesel	0.000150941	0	517782.4889	144002.3746	553.2440004	9971257.146
Cranes	600	Diesel	0.000214311	0	735165.128	118926.3612	447.7966428	14397880.53
Cranes	750	Diesel	3.33E-05	0	114278.93	12114.98778	51.9557642	2257001.571
Cranes	9999	Diesel	1.12E-05	0	38383.4185	2913.429204	12.26057348	764455.8214
Crawler Tractors	50	Diesel	2.62E-06	0	8998.997432	8345.639687	29.01817704	140603.5492
Crawler Tractors	75	Diesel	1.89E-05	0	64996.35755	36945.46637	114.3284282	1057749.335
Crawler Tractors	100	Diesel	7.39E-05	0	253382.0591	110248.0928	302.8190706	4166364.525
Crawler Tractors	175	Diesel	0.000257699	0	884000.1587	295999.0185	626.6663904	17227892.97
Crawler Tractors	300	Diesel	0.000320252	0	1098581.826	229495.5666	514.7848841	21666160.03
Crawler Tractors	600	Diesel	0.000574578	0	1971011.716	234567.1751	518.495822	39313513.82
Crawler Tractors	750	Diesel	4.14E-05	0	142102.142	10222.19285	24.1120432	2836721.179
Crawler Tractors	9999	Diesel	6.34E-05	0	217441.6432	11885.88075	28.38957912	4350441.373
Dumpers/Tenders	25	Diesel	1.27E-08	1.10E-08	43.66689613	0	17.64989807	0
Excavators	25	Diesel	1.58E-07	0	542.0613669	86.02202594	0.28193829	261.5069589
Excavators	25	Diesel	9.10E-08	7.84E-08	311.9694356	0	27.7316291	0

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Construction and Mining - Excavators	Excavators	50	Diesel	0.017837543	0.021583427	0.025686062	0.232465063	0.163793745	32.2242181	0.001994005	0.001834485
South Coast	2041	Construction and Mining - Excavators	Excavators	75	Diesel	0.010125089	0.012251358	0.014580129	0.145422805	0.121794274	23.9329693	0.001029669	0.000947295
South Coast	2041	Construction and Mining - Excavators	Excavators	100	Diesel	0.004226935	0.005114592	0.006086787	0.114571463	0.012284404	18.80399153	0.001281702	0.001179166
South Coast	2041	Construction and Mining - Excavators	Excavators	175	Diesel	0.0282494	0.034181774	0.040679136	0.647965708	0.05429474	104.2479474	0.003236543	0.00297762
South Coast	2041	Construction and Mining - Excavators	Excavators	300	Diesel	0.029557443	0.035764506	0.042562718	0.239409875	0.052203865	111.5900377	0.003307239	0.00304266
South Coast	2041	Construction and Mining - Excavators	Excavators	600	Diesel	0.032840253	0.039736706	0.047289964	0.261338953	0.054326333	128.1323822	0.003568982	0.003283464
South Coast	2041	Construction and Mining - Excavators	Excavators	750	Diesel	0.0008625	0.001043625	0.001242	0.007397812	0.00194468	3.648120678	0.000128742	0.000118443
South Coast	2041	Construction and Mining - Excavators	Excavators	9999	Diesel	0.004341987	0.005253804	0.006252461	0.036327033	0.064379907	18.11480527	0.001002879	0.000922648
South Coast	2041	Industrial - Forklifts	Forklifts	25	Diesel	1.32163E-06	1.59917E-06	1.90315E-06	3.6797E-05	1.4814E-05	0.008015594	1.68251E-07	1.54791E-07
South Coast	2041	Industrial - Forklifts	Forklifts	50	Diesel	0.001981097	0.002397127	0.002852779	0.027293634	0.019811587	3.994684119	0.000210036	0.000193233
South Coast	2041	Industrial - Forklifts	Forklifts	75	Diesel	0.014423925	0.017452949	0.020770451	0.225864634	0.190979065	37.84682025	0.001519551	0.001397987
South Coast	2041	Industrial - Forklifts	Forklifts	100	Diesel	0.005379883	0.006509658	0.007747032	0.151782834	0.016738253	25.42997811	0.001564831	0.001439645
South Coast	2041	Industrial - Forklifts	Forklifts	175	Diesel	0.01880493	0.022753965	0.027079099	0.450454854	0.039683435	73.46751233	0.002306203	0.002121707
South Coast	2041	Industrial - Forklifts	Forklifts	300	Diesel	0.001667884	0.002018139	0.002401753	0.014088397	0.003283216	6.636038732	0.000199022	0.0001831
South Coast	2041	Industrial - Forklifts	Forklifts	600	Diesel	0.000488288	0.000590828	0.000703135	0.004088525	0.00087079	2.019442486	5.57549E-05	5.12945E-05
South Coast	2041	Industrial - Forklifts	Forklifts	750	Diesel	3.12979E-05	3.78705E-05	4.5069E-05	0.000296674	5.78664E-05	0.151354615	4.84227E-06	4.45489E-06
South Coast	2041	Industrial - Forklifts	Forklifts	9999	Diesel	0.000627834	0.000759679	0.000904081	0.005438949	0.009602124	2.72784096	0.000143299	0.000131835
South Coast	2041	Construction and Mining - Graders	Graders	50	Diesel	5.28E-05	6.39E-05	7.60E-05	0.000744089	0.000540127	0.119988387	4.67E-06	4.30E-06
South Coast	2041	Construction and Mining - Graders	Graders	75	Diesel	0.000117256	0.00014188	0.000168849	0.001862131	0.001515001	0.336535184	1.50E-05	1.38E-05
South Coast	2041	Construction and Mining - Graders	Graders	100	Diesel	0.000162816	0.000197007	0.000234454	0.004635348	0.000479524	0.8077772	5.06E-05	4.66E-05
South Coast	2041	Construction and Mining - Graders	Graders	175	Diesel	0.002785705	0.003370703	0.004011415	0.072719257	0.006229345	12.62194521	0.000363732	0.000334634
South Coast	2041	Construction and Mining - Graders	Graders	300	Diesel	0.008714618	0.010544688	0.01254905	0.08395821	0.021298725	40.93134847	0.001214702	0.001117525
South Coast	2041	Construction and Mining - Graders	Graders	600	Diesel	0.002072254	0.002507427	0.002984045	0.019338401	0.004079175	9.847606236	0.000268722	0.000247225
South Coast	2041	Construction and Mining - Graders	Graders	750	Diesel	7.41E-05	8.96E-05	0.000106689	0.000706276	0.000169168	0.362447396	1.32E-05	1.22E-05
South Coast	2041	Construction and Mining - Graders	Graders	9999	Diesel	5.59E-05	6.77E-05	8.05E-05	0.000507856	0.000940479	0.26415614	1.38E-05	1.27E-05
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	50	Diesel	0.003880577	0.004695498	0.005588031	0.044924338	0.028572921	5.633648497	0.000336914	0.000309961
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	75	Diesel	0.002330371	0.002819748	0.003355734	0.028235019	0.023181659	4.53143452	0.000275261	0.00025324
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	100	Diesel	0.001241958	0.00150277	0.00178842	0.0274348	0.003661547	4.322633438	0.000354605	0.000326236
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	175	Diesel	0.006877175	0.008321382	0.009903133	0.147577613	0.011701544	22.98894614	0.0007617	0.000700764
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	300	Diesel	0.003080959	0.003727961	0.004436581	0.022998279	0.005408236	10.44043263	0.000334414	0.000307661
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	600	Diesel	0.008034638	0.009721911	0.011569878	0.058328674	0.011703805	28.04562079	0.000810681	0.000745826
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	750	Diesel	0.000611986	0.000740503	0.00088126	0.004435242	0.00129437	2.136480802	9.00E-05	8.28E-05
South Coast	2041	Construction and Mining - Off-Highway Tractors	Off-Highway Tractors	9999	Diesel	0.000573606	0.000694063	0.000825992	0.004492487	0.007700798	2.191387688	0.000115342	0.000106114
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	50	Diesel	0.000170038	0.000205746	0.000244855	0.002037402	0.001273467	0.26846954	1.55E-05	1.42E-05
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	75	Diesel	0.000112235	0.000135805	0.000161619	0.001492151	0.001220736	0.242260661	1.02E-05	9.42E-06
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	100	Diesel	2.96E-05	3.58E-05	4.26E-05	0.000737197	5.88E-05	0.116830214	7.64E-06	7.03E-06
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	175	Diesel	0.001816566	0.002198045	0.002615855	0.038321748	0.003177056	6.016236753	0.000216721	0.000199384
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	300	Diesel	0.004137438	0.0050063	0.005957911	0.031311338	0.006533296	14.18060661	0.000427498	0.000393298
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	600	Diesel	0.028208186	0.034131905	0.040619788	0.210490561	0.042691859	101.7081899	0.002874485	0.002644526
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	750	Diesel	0.003988956	0.004826637	0.005744096	0.03251766	0.008273593	16.08856314	0.000573709	0.000527813
South Coast	2041	Construction and Mining - Off-Highway Trucks	Off-Highway Trucks	9999	Diesel	0.012847332	0.015545272	0.018500158	0.103635871	0.178079478	51.03010104	0.002583707	0.002377011
South Coast	2041	Construction and Mining - Misc - Other	Other	15	Diesel	0.00214971	0.002585629	0.003090242	0.013562717	0.016192242	0.031040566	0.000569447	0.000430248
South Coast	2041	Construction and Mining - Misc - Other	Other	25	Diesel	0.000466054	0.00056056	0.000669961	0.001913276	0.003542306	0.005120919	0.000119123	9.00E-05
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	50	Diesel	0.00161801	0.001957792	0.002329934	0.022085509	0.0161595	3.443166073	0.000205418	0.000188984
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	75	Diesel	0.001903353	0.002303058	0.002740829	0.030502922	0.025555949	5.370477341	0.000253002	0.000232762
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	100	Diesel	0.000897923	0.001086486	0.001293008	0.023837734	0.003491795	4.168884934	0.000307576	0.00028297
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	175	Diesel	0.003096677	0.003746979	0.004459214	0.077031323	0.008144757	13.08487219	0.000442454	0.000407058
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	300	Diesel	0.00282618	0.003419677	0.004069699	0.025839	0.00720001	12.40055171	0.000392363	0.000360974
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	600	Diesel	0.008658822	0.010477175	0.012468704	0.078996994	0.019895702	39.92570865	0.001159322	0.001066576
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	750	Diesel	0.00123242	0.001491228	0.001774685	0.012085139	0.003431467	6.220277251	0.000220387	0.000202756
South Coast	2041	Construction and Mining - Other Construction Equipment	Other Construction Equipme	9999	Diesel	0.001630785	0.00197325	0.00234833	0.015733974	0.02781199	8.086491937	0.000405705	0.000373248
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	15	Diesel	0.000796496	0.00095801	0.001144976	0.005640493	0.006734067	0.012466249	0.000236822	0.000178933
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	25	Diesel	0.002336691	0.002810525	0.003359031	0.009592732	0.017760327	0.025675136	0.000597258	0.000451262
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	50	Diesel	0.003565269	0.004313976	0.005133988	0.044263053	0.030963433	5.968924205	0.000386795	0.000355851
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	75	Diesel	0.001326581	0.001605164	0.001910277	0.018576432	0.015591864	3.042362209	0.000169678	0.000156104
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	100	Diesel	0.000532674	0.000644535	0.00076705	0.013434223	0.001779507	2.186452777	0.000175175	0.000161161
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	175	Diesel	0.001834925	0.002220259	0.002642291	0.042031592	0.004364171	6.794944054	0.000257002	0.000236442
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	300	Diesel	0.001181132	0.001429169	0.001700829	0.009464572	0.002772824	4.452471894	0.000153621	0.000141331
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	600	Diesel	0.003812368	0.004612965	0.005489809	0.031088429	0.008296926	15.41688343	0.000478178	0.000439923

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Excavators	50	Diesel	0.000305254	0	1047131.589	1276445.442	2770.983775	17218443.89
Excavators	75	Diesel	0.000226712	0	777706.013	578684.9328	1142.716558	13567854.28
Excavators	100	Diesel	0.000178127	0	611038.9854	310998.6863	596.9292521	10589059.99
Excavators	175	Diesel	0.000987521	0	3387555.239	1197300.156	1691.227954	66671950.34
Excavators	300	Diesel	0.001057071	0	3626137.744	806090.1872	1264.257741	71985635.48
Excavators	600	Diesel	0.001213773	0	4163684.115	579757.7569	886.182287	82956234.91
Excavators	750	Diesel	3.46E-05	0	118546.3179	9547.514441	18.18759646	2430221.801
Excavators	9999	Diesel	0.000171598	0	588643.7577	19385.51122	34.46958032	11873262.24
Forklifts	25	Diesel	7.59302E-08	0	260.4681344	89.41948395	0.35369534	21.46067615
Forklifts	50	Diesel	3.78409E-05	0	129807.9574	245332.8079	675.222189	2076873.203
Forklifts	75	Diesel	0.000358516	0	1229839.027	1610772.984	3876.582349	21402959.88
Forklifts	100	Diesel	0.000240893	0	826351.5753	839464.8826	2045.305639	14147063.79
Forklifts	175	Diesel	0.000695943	0	2387339.631	1861053.157	3093.580847	47003061.41
Forklifts	300	Diesel	6.28619E-05	0	215639.2364	99721.08055	191.2200414	4277083.644
Forklifts	600	Diesel	1.91298E-05	0	65622.13592	18417.53354	35.94350874	1308534.817
Forklifts	750	Diesel	1.43375E-06	0	4918.294619	664.7611168	1.397527929	97498.29713
Forklifts	9999	Diesel	2.58403E-05	0	88641.66791	4462.748146	9.320844948	1803563.487
Graders	50	Diesel	1.14E-06	0	3899.043572	3886.288557	13.43994372	57942.5311
Graders	75	Diesel	3.19E-06	0	10935.76953	6623.206641	24.22879089	165975.3189
Graders	100	Diesel	7.65E-06	0	26248.86104	12177.09295	41.03378714	424604.8332
Graders	175	Diesel	0.000119565	0	410152.3116	130861.8417	353.9338737	7760124.521
Graders	300	Diesel	0.000387735	0	1330071.31	280806.0056	719.2045319	26111326.79
Graders	600	Diesel	9.33E-05	0	319999.6827	45039.00612	107.5541061	6347643.493
Graders	750	Diesel	3.43E-06	0	11777.79136	807.0383211	2.228000142	233478.2055
Graders	9999	Diesel	2.50E-06	0	8583.799867	552.6348639	1.485333428	170161.801
Off-Highway Tractors	50	Diesel	5.34E-05	0	183066.3908	180195.8302	291.8092056	2890825.195
Off-Highway Tractors	75	Diesel	4.29E-05	0	147249.7553	97758.1724	156.0729655	2502324.904
Off-Highway Tractors	100	Diesel	4.09E-05	0	140464.7277	66399.74223	103.3415491	2452315.531
Off-Highway Tractors	175	Diesel	0.00021777	0	747029.8155	234474.8758	232.6085663	14816536.54
Off-Highway Tractors	300	Diesel	9.89E-05	0	339263.6798	72272.12741	89.56837765	6771327.625
Off-Highway Tractors	600	Diesel	0.000265671	0	911347.3405	109707.3793	119.1899273	18170307.25
Off-Highway Tractors	750	Diesel	2.02E-05	0	69425.31641	5448.032099	7.47522263	1384261.234
Off-Highway Tractors	9999	Diesel	2.08E-05	0	71209.52526	2108.104963	2.590072879	1445517.958
Off-Highway Trucks	50	Diesel	2.54E-06	0	8723.964548	11713.04676	18.99168671	125151.7843
Off-Highway Trucks	75	Diesel	2.29E-06	0	7872.302452	5202.553151	8.947446649	134321.1526
Off-Highway Trucks	100	Diesel	1.11E-06	0	3796.418193	2041.273802	3.243634638	66243.45538
Off-Highway Trucks	175	Diesel	5.70E-05	0	195498.6629	64593.37397	71.04847756	3872260.88
Off-Highway Trucks	300	Diesel	0.00013433	0	460801.2858	105147.8921	136.9129474	9176069.267
Off-Highway Trucks	600	Diesel	0.000963462	0	3305025.376	400589.6168	485.6087565	66052753.22
Off-Highway Trucks	750	Diesel	0.000152404	0	522800.6663	40213.16959	61.80029624	10514513.47
Off-Highway Trucks	9999	Diesel	0.000483398	0	1658232.036	74435.18621	108.0988431	33650248.44
Other	15	Diesel	2.95E-07	2.54E-07	1009.649372	0	232.9226852	0
Other	25	Diesel	4.86E-08	4.19E-08	166.5669498	0	37.26066272	0
Other Construction Equipme	50	Diesel	3.26164E-05	0	111886.2823	103011.8091	332.4116116	1685609.234
Other Construction Equipme	75	Diesel	5.08735E-05	0	174514.5982	104417.3598	320.5919202	2847123.097
Other Construction Equipme	100	Diesel	3.9491E-05	0	135468.6433	61560.662	187.036216	2214367.408
Other Construction Equipme	175	Diesel	0.00012395	0	425195.2046	148830.0922	331.8592163	8194553.612
Other Construction Equipme	300	Diesel	0.000117468	0	402958.0914	81133.56652	203.4360212	7914372.32
Other Construction Equipme	600	Diesel	0.000378208	0	1297392.868	151491.4327	358.3148989	25808298.17
Other Construction Equipme	750	Diesel	5.89235E-05	0	202128.9945	14831.57444	39.70322707	4027644.14
Other Construction Equipme	9999	Diesel	7.66018E-05	0	262771.9663	10767.03511	28.89569262	5277338.7
Other General Industrial Equ	15	Diesel	1.18313E-07	1.01916E-07	405.4868169	0	74.12784345	0
Other General Industrial Equ	25	Diesel	2.43674E-07	2.09904E-07	835.1292558	0	77.89487055	0
Other General Industrial Equ	50	Diesel	5.65425E-05	0	193961.2334	267885.6997	675.0621146	3162072.933
Other General Industrial Equ	75	Diesel	2.88197E-05	0	98862.09078	84344.94308	197.2521106	1723807.902
Other General Industrial Equ	100	Diesel	2.07118E-05	0	71049.16444	42931.78248	103.2416213	1253953.883
Other General Industrial Equ	175	Diesel	6.43672E-05	0	220802.8925	98659.93327	171.0642284	4386383.321
Other General Industrial Equ	300	Diesel	4.21774E-05	0	144683.851	36233.34039	74.70325662	2887550.938
Other General Industrial Equ	600	Diesel	0.000146041	0	500974.3167	73505.75578	137.2456099	10045707.73

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	750	Diesel	0.000787308	0.000952642	0.001133723	0.006524987	0.002482035	3.287957622	0.00014181	0.000130466
South Coast	2041	Industrial - Other General Industrial Equipment	Other General Industrial Equ	9999	Diesel	0.001256988	0.001520956	0.001810063	0.010591919	0.018733107	5.291046174	0.000289496	0.000266337
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	50	Diesel	0.000313984	0.00037992	0.000452137	0.004269979	0.003063577	0.653939416	3.82386E-05	3.51795E-05
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	75	Diesel	0.000301845	0.000365232	0.000434656	0.004486453	0.003762653	0.767747653	3.77495E-05	3.47295E-05
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	100	Diesel	0.000299411	0.000362287	0.000431152	0.008081273	0.000929422	1.397881915	8.88771E-05	8.17669E-05
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	175	Diesel	0.001361631	0.001647573	0.001960748	0.032871195	0.00306619	5.479487902	0.000178032	0.000163789
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	300	Diesel	0.001308301	0.001583045	0.001883954	0.011514721	0.002664905	5.510460636	0.000162635	0.000149624
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	600	Diesel	0.002251965	0.002724877	0.003242829	0.019494125	0.00423753	9.775189552	0.000269436	0.000247882
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	750	Diesel	0.000230814	0.000279285	0.000332372	0.002002628	0.000570914	1.014283889	4.3004E-05	3.95637E-05
South Coast	2041	Construction and Mining - Other Material Handling Equipment	Other Material Handling Equ	9999	Diesel	0.000785694	0.00095069	0.0011314	0.00694029	0.012205372	3.493532174	0.000191208	0.000175911
South Coast	2041	Construction and Mining - Misc - Pavers	Pavers	25	Diesel	0.000231808	0.000278813	0.000333227	0.000951632	0.001761884	0.002547059	5.93E-05	4.48E-05
South Coast	2041	Construction and Mining - Pavers	Pavers	50	Diesel	0.000304835	0.00036885	0.000438962	0.003720652	0.002549602	0.533574626	3.24E-05	2.98E-05
South Coast	2041	Construction and Mining - Pavers	Pavers	75	Diesel	0.001086529	0.0013147	0.001564602	0.01478494	0.012374683	2.502401177	0.000148924	0.00013701
South Coast	2041	Construction and Mining - Pavers	Pavers	100	Diesel	0.000673949	0.000815478	0.000970487	0.016352796	0.002235909	2.727077972	0.000204858	0.00018847
South Coast	2041	Construction and Mining - Pavers	Pavers	175	Diesel	0.002335996	0.002826555	0.003363834	0.052832028	0.006003158	8.645584798	0.000312251	0.000287271
South Coast	2041	Construction and Mining - Pavers	Pavers	300	Diesel	0.002626303	0.003177827	0.003781877	0.022042201	0.005445056	10.46994684	0.000324134	0.000298203
South Coast	2041	Construction and Mining - Pavers	Pavers	600	Diesel	0.000451506	0.000546323	0.000650169	0.003776096	0.000901141	1.872988684	5.47E-05	5.03E-05
South Coast	2041	Construction and Mining - Pavers	Pavers	750	Diesel	1.58E-05	1.91E-05	2.27E-05	0.000147363	2.78E-05	0.074963254	2.38E-06	2.19E-06
South Coast	2041	Construction and Mining - Pavers	Pavers	9999	Diesel	0.000434889	0.000526215	0.00062624	0.003382049	0.006137617	1.668012989	0.00010553	9.71E-05
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	25	Diesel	0.000387482	0.000466054	0.00055701	0.001590713	0.002945102	0.004257572	9.90E-05	7.48E-05
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	50	Diesel	0.000670198	0.000810939	0.000965085	0.008939978	0.006454709	1.303882315	7.90E-05	7.27E-05
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	75	Diesel	0.000390434	0.000472425	0.000562225	0.005561934	0.004622739	0.947071302	4.81E-05	4.42E-05
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	100	Diesel	0.000333732	0.000403815	0.000480574	0.008896579	0.000977689	1.520718776	9.54E-05	8.78E-05
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	175	Diesel	0.00247485	0.002994568	0.003563783	0.05901734	0.004949351	9.646379683	0.000305411	0.000280978
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	300	Diesel	0.001066297	0.00129022	0.001535468	0.009212154	0.002153168	4.367208935	0.000131959	0.000121402
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	600	Diesel	0.00244107	0.002953695	0.003515141	0.020736655	0.004236101	10.36318627	0.000288079	0.000265033
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	750	Diesel	0.000494999	0.000598948	0.000712798	0.004338526	0.001079435	2.182042898	8.35E-05	7.68E-05
South Coast	2041	Construction and Mining - Paving Equipment	Paving Equipment	9999	Diesel	0.000329948	0.000399237	0.000475125	0.002721056	0.004839875	1.360476752	7.71E-05	7.09E-05
South Coast	2041	Construction and Mining - Misc - Plate Compactors	Plate Compactors	15	Diesel	0.000828958	0.000997055	0.00119164	0.005229971	0.006243953	0.011969671	0.000219586	0.00016591
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	50	Diesel	4.60642E-05	5.57377E-05	6.63324E-05	0.001069406	0.000844742	0.181122912	3.91208E-06	3.59911E-06
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	75	Diesel	0.001101885	0.001333281	0.001586714	0.030241053	0.022985378	4.884728306	0.000128421	0.000118147
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	100	Diesel	0.001382984	0.001673411	0.001991497	0.069716366	0.001705361	10.99356543	0.000351648	0.000323516
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	175	Diesel	0.004114695	0.00497878	0.00592516	0.196442142	0.009482036	35.55817825	0.000617417	0.000568024
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	300	Diesel	0.001592786	0.001927271	0.002293612	0.023001979	0.003424313	11.93329272	0.000230954	0.000212477
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	600	Diesel	0.002149357	0.002600721	0.003095073	0.029699397	0.004976502	15.69366525	0.000295929	0.000272254
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	750	Diesel	0.000896546	0.001084821	0.001291027	0.012930416	0.00201263	6.874667304	0.000155789	0.000143326
South Coast	2041	Portable Equipment - Non-Rental Other	Portable Equipment - Non-Re	9999	Diesel	0.009033149	0.010930111	0.013007735	0.116511555	0.188736586	60.65545766	0.002167972	0.001994534
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	15	Diesel	0.002974898	0.003578146	0.004276462	0.018768899	0.022407794	0.042955794	0.000788034	0.000595404
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	25	Diesel	0.002718446	0.003269693	0.00390781	0.01115994	0.020661913	0.029869801	0.000694834	0.000524986
South Coast	2041	Construction and Mining - Rollers	Rollers	50	Diesel	0.006753532	0.008171774	0.009725087	0.088879142	0.062586758	13.4832279	0.000786174	0.00072328
South Coast	2041	Construction and Mining - Rollers	Rollers	75	Diesel	0.001844171	0.002231446	0.002655606	0.028170497	0.023712017	4.833464576	0.000219914	0.000202321
South Coast	2041	Construction and Mining - Rollers	Rollers	100	Diesel	0.001725464	0.002087812	0.002484668	0.044546635	0.005799245	7.634874883	0.000536993	0.000494034
South Coast	2041	Construction and Mining - Rollers	Rollers	175	Diesel	0.010569145	0.012788666	0.015219569	0.252926713	0.022631075	41.81448265	0.001338068	0.001231023
South Coast	2041	Construction and Mining - Rollers	Rollers	300	Diesel	0.000871367	0.001054355	0.001254769	0.007911402	0.001795662	3.715036918	0.000106236	9.77E-05
South Coast	2041	Construction and Mining - Rollers	Rollers	600	Diesel	0.000712212	0.000861777	0.001025586	0.006233857	0.001311976	3.088365939	8.27E-05	7.61E-05
South Coast	2041	Construction and Mining - Rollers	Rollers	750	Diesel	1.53E-05	1.85E-05	2.20E-05	0.000138891	3.91E-05	0.071285298	2.59E-06	2.38E-06
South Coast	2041	Construction and Mining - Rollers	Rollers	9999	Diesel	0.000724271	0.000876367	0.00104295	0.006062117	0.010656017	3.041138711	0.000179668	0.000165295
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	50	Diesel	0.000162882	0.000197087	0.00023455	0.002461079	0.001921585	0.407419401	1.78E-05	1.63E-05
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	75	Diesel	0.004814774	0.005825877	0.006933275	0.085233109	0.073279797	14.76996883	0.000504809	0.000464425
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	100	Diesel	0.002122904	0.002568714	0.003056982	0.061899588	0.007104955	10.96866638	0.000641301	0.000589997
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	175	Diesel	0.01536627	0.018593187	0.022127429	0.396830658	0.036980735	67.21963619	0.002103693	0.001935398
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	300	Diesel	0.000121467	0.000146975	0.000174912	0.001169277	0.000310038	0.573705439	1.70E-05	1.57E-05
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	600	Diesel	3.20E-05	3.87E-05	4.60E-05	0.00031625	5.09E-05	0.160159727	3.54E-06	3.26E-06
South Coast	2041	Construction and Mining - Rough Terrain Forklifts	Rough Terrain Forklifts	750	Diesel	9.43E-06	1.14E-05	1.36E-05	9.95E-05	1.63E-05	0.051765831	1.40E-06	1.29E-06
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	50	Diesel	3.86E-05	4.67E-05	5.56E-05	0.000598149	0.000380523	0.111565677	3.47E-06	3.19E-06
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	75	Diesel	0.000101015	0.000122228	0.000145462	0.001483236	0.001183219	0.259060288	9.41E-06	8.66E-06
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	100	Diesel	0.000114404	0.000138429	0.000164742	0.003097444	0.000265621	0.517901751	3.15E-05	2.90E-05
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	175	Diesel	0.00044093	0.000533526	0.00063494	0.010065334	0.00084136	1.628940886	5.00E-05	4.60E-05
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	300	Diesel	0.000543417	0.000657534	0.00078252	0.004411794	0.000768593	2.055811309	5.49E-05	5.05E-05

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Other General Industrial Equ	750	Diesel	3.11462E-05	0	106842.7566	9391.714653	20.72483373	2133322.455
Other General Industrial Equ	9999	Diesel	5.01211E-05	0	171933.4685	9407.371321	18.60911375	3455308.954
Other Material Handling Equ	50	Diesel	6.19464E-06	0	21249.8754	23470.15057	67.88801845	318106.9699
Other Material Handling Equ	75	Diesel	7.27272E-06	0	24948.09394	16126.55858	42.83675332	416476.7511
Other Material Handling Equ	100	Diesel	1.32419E-05	0	45424.4167	20925.51795	52.79446523	738396.348
Other Material Handling Equ	175	Diesel	5.19061E-05	0	178056.9154	66547.70884	129.0099162	3442786.143
Other Material Handling Equ	300	Diesel	5.21995E-05	0	179063.3798	37860.15697	78.89577327	3537738.983
Other Material Handling Equ	600	Diesel	9.25985E-05	0	317646.49	39810.98249	78.50999918	6313937.088
Other Material Handling Equ	750	Diesel	9.60811E-06	0	32959.33194	2382.959296	6.459720016	653372.5587
Other Material Handling Equ	9999	Diesel	3.30936E-05	0	113522.9375	5863.405041	12.99833106	2272004.696
Pavers	25	Diesel	2.42E-08	2.08E-08	82.84758966	0	11.03278707	0
Pavers	50	Diesel	5.05E-06	0	17338.60055	16753.99753	45.44600354	260395.6113
Pavers	75	Diesel	2.37E-05	0	81315.96283	48313.80942	123.1160923	1342647.569
Pavers	100	Diesel	2.58E-05	0	88616.8745	42572.45578	96.86464745	1497668.448
Pavers	175	Diesel	8.19E-05	0	280939.7864	93534.14757	170.201748	5496831.008
Pavers	300	Diesel	9.92E-05	0	340222.7491	70526.3919	128.847412	6747877.375
Pavers	600	Diesel	1.77E-05	0	60863.09405	7642.694964	13.37124055	1214140.116
Pavers	750	Diesel	7.10E-07	0	2435.944033	182.498776	0.371333357	48289.17614
Pavers	9999	Diesel	1.58E-05	0	54202.37309	1338.486556	2.599333499	1089124.906
Paving Equipment	25	Diesel	4.04E-08	3.48E-08	138.4850528	0	26.98797795	0
Paving Equipment	50	Diesel	1.24E-05	0	42369.8833	51246.88366	135.0078653	679814.1388
Paving Equipment	75	Diesel	8.97E-06	0	30775.24719	21532.73237	52.79308336	507388.8235
Paving Equipment	100	Diesel	1.44E-05	0	49416.02193	26255.0878	60.38868222	815896.385
Paving Equipment	175	Diesel	9.14E-05	0	313460.7908	126606.4231	196.3110864	6155268.557
Paving Equipment	300	Diesel	4.14E-05	0	141913.2163	33315.1613	62.41743306	2801578.934
Paving Equipment	600	Diesel	9.82E-05	0	336753.5458	52108.08165	90.57331897	6680157.227
Paving Equipment	750	Diesel	2.07E-05	0	70905.86468	6143.223971	12.25400078	1405609.383
Paving Equipment	9999	Diesel	1.29E-05	0	44208.92941	2456.42573	4.827333641	883937.0714
Plate Compactors	15	Diesel	1.14E-07	9.79E-08	389.3347309	0	242.0130572	0
Portable Equipment - Non-R	50	Diesel	1.67747E-06	1.48208E-06	5891.343407	7419.522623	19.2649568	278625.2567
Portable Equipment - Non-R	75	Diesel	4.5244E-05	3.99703E-05	158884.4372	143444.104	372.4558314	8353752.457
Portable Equipment - Non-R	100	Diesel	0.000101859	8.99572E-05	357585.1811	257210.1176	667.8518356	18800948.27
Portable Equipment - Non-R	175	Diesel	0.000329469	0.000290962	1156592.708	536678.8031	1393.498542	60810796.48
Portable Equipment - Non-R	300	Diesel	0.000110563	9.76467E-05	388151.4751	105357.2213	273.5623865	20408048.74
Portable Equipment - Non-R	600	Diesel	0.000145402	0.000128417	510464.2498	74195.22623	192.649568	26838953.25
Portable Equipment - Non-R	750	Diesel	6.36952E-05	5.62534E-05	223610.7265	20774.66335	53.94187903	11756901.36
Portable Equipment - Non-R	9999	Diesel	0.000561951	0.000496326	1972926.159	52431.2932	136.139028	103731599.1
Rollers	15	Diesel	4.08E-07	3.51E-07	1397.21325	0	511.7675104	0
Rollers	25	Diesel	2.83E-07	2.44E-07	971.5681626	0	213.746145	0
Rollers	50	Diesel	0.000127724	0	438139.843	487848.3827	1352.9486	6478723.19
Rollers	75	Diesel	4.58E-05	0	157064.2747	102665.0948	271.410345	2633494.639
Rollers	100	Diesel	7.23E-05	0	248096.5914	125257.4332	321.6081194	4082518.041
Rollers	175	Diesel	0.0003961	0	1358768.909	525328.9444	892.2283399	26498901.49
Rollers	300	Diesel	3.52E-05	0	120720.7728	27810.26289	57.86645216	2361710.5
Rollers	600	Diesel	2.93E-05	0	100356.99	13231.66797	25.57267877	2002862.84
Rollers	750	Diesel	6.75E-07	0	2316.428191	168.5382885	0.371333357	45919.94209
Rollers	9999	Diesel	2.88E-05	0	98822.33301	2215.392503	4.827333641	1969340.572
Rough Terrain Forklifts	50	Diesel	3.86E-06	0	13239.16452	11968.04679	45.23811154	211389.2919
Rough Terrain Forklifts	75	Diesel	0.000139913	0	479952.714	297692.577	938.0004232	8379371.468
Rough Terrain Forklifts	100	Diesel	0.000103904	0	356428.7277	169142.9405	533.0111635	5827086.422
Rough Terrain Forklifts	175	Diesel	0.000636759	0	2184313.806	877211.8525	1870.260827	42462364.55
Rough Terrain Forklifts	300	Diesel	5.43E-06	0	18642.65833	4385.638029	11.41264363	366778.8054
Rough Terrain Forklifts	600	Diesel	1.52E-06	0	5204.418281	764.7490338	1.857247933	103108.1098
Rough Terrain Forklifts	750	Diesel	4.90E-07	0	1682.139724	133.3840236	0.371332996	33346.0059
Rubber Tired Dozers	50	Diesel	1.06E-06	0	3625.346134	2528.367435	6.600596315	39309.68396
Rubber Tired Dozers	75	Diesel	2.45E-06	0	8418.209272	5321.857464	10.76599859	131910.3872
Rubber Tired Dozers	100	Diesel	4.91E-06	0	16829.30777	8150.216516	16.99954806	282483.0304
Rubber Tired Dozers	175	Diesel	1.54E-05	0	52932.7183	18100.1264	29.5082133	1032897.441
Rubber Tired Dozers	300	Diesel	1.95E-05	0	66803.94714	14535.72559	24.15704392	1323727.739

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	600	Diesel	0.003392469	0.004104888	0.004885156	0.027627437	0.004773346	13.54013487	0.000339901	0.000312709
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	750	Diesel	0.000102495	0.000124019	0.000147593	0.000869845	0.000189066	0.427337726	1.42E-05	1.31E-05
South Coast	2041	Construction and Mining - Rubber Tired Dozers	Rubber Tired Dozers	9999	Diesel	0.000198107	0.00023971	0.000285275	0.001749896	0.003320052	0.879930881	5.58E-05	5.13E-05
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	25	Diesel	0.000163148	0.000196231	0.000234528	0.000669765	0.001240026	0.001792639	4.17E-05	3.15E-05
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	50	Diesel	0.000460748	0.000557505	0.000663477	0.005739414	0.003808264	0.769869361	4.34E-05	4.00E-05
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	75	Diesel	0.002518126	0.003046933	0.003626102	0.03404508	0.027938183	5.626899503	0.000263898	0.000242786
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	100	Diesel	0.002229852	0.00269812	0.003210986	0.056422339	0.0059401	9.282323131	0.00063028	0.000579857
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	175	Diesel	0.019448306	0.023532451	0.028005561	0.434868087	0.035014842	69.6293481	0.002203997	0.002027677
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	300	Diesel	0.03449204	0.041735369	0.049668538	0.277480806	0.054843876	128.6537839	0.003659264	0.003366523
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	600	Diesel	0.026307447	0.03183201	0.037882723	0.204657078	0.040277818	99.56570922	0.002755138	0.002534727
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	750	Diesel	0.000895166	0.001083151	0.00128904	0.007901715	0.001791048	3.963458598	0.000130125	0.000119715
South Coast	2041	Construction and Mining - Rubber Tired Loaders	Rubber Tired Loaders	9999	Diesel	0.002036711	0.00246442	0.002932863	0.017188459	0.029585749	8.541820276	0.000423697	0.000389802
South Coast	2041	Construction and Mining - Scrapers	Scrapers	50	Diesel	8.24E-06	9.96E-06	1.19E-05	0.000119287	8.59E-05	0.020380459	7.80E-07	7.18E-07
South Coast	2041	Construction and Mining - Scrapers	Scrapers	75	Diesel	7.79E-05	9.42E-05	0.000112137	0.001245683	0.001050704	0.22436387	1.26E-05	1.16E-05
South Coast	2041	Construction and Mining - Scrapers	Scrapers	100	Diesel	5.19E-05	6.28E-05	7.48E-05	0.001511645	0.000187177	0.263082264	1.78E-05	1.64E-05
South Coast	2041	Construction and Mining - Scrapers	Scrapers	175	Diesel	0.000495613	0.000599691	0.000713682	0.013747687	0.000789492	2.340067379	5.46E-05	5.02E-05
South Coast	2041	Construction and Mining - Scrapers	Scrapers	300	Diesel	0.006761674	0.008181626	0.009736811	0.068624143	0.015200751	33.63980241	0.000908258	0.000835598
South Coast	2041	Construction and Mining - Scrapers	Scrapers	600	Diesel	0.025919892	0.031363069	0.037324644	0.262072279	0.052795542	134.0451355	0.003251657	0.002991525
South Coast	2041	Construction and Mining - Scrapers	Scrapers	750	Diesel	0.00425235	0.005145344	0.006123385	0.049040053	0.009460008	25.49098685	0.000720866	0.000663197
South Coast	2041	Construction and Mining - Misc - Signal Boards	Signal Boards	15	Diesel	0.012959332	0.015587226	0.018629247	0.081761605	0.097613459	0.187125231	0.003432855	0.002593714
South Coast	2041	Construction and Mining - Misc - Signal Boards	Signal Boards	50	Diesel	0.000121573	0.000144682	0.000175065	0.002001358	0.001492152	0.286597772	7.14E-06	6.57E-06
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	25	Diesel	0.043445459	0.052255329	0.062453541	0.178355042	0.330212927	0.477370801	0.011104658	0.008390186
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	50	Diesel	0.006484767	0.007846568	0.009338064	0.085343129	0.060730477	12.60264169	0.000696999	0.000641239
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	75	Diesel	0.033295396	0.040287429	0.04794537	0.491982969	0.412998746	82.37777152	0.003636578	0.003345652
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	100	Diesel	0.009599929	0.011615915	0.013823898	0.256670564	0.031600178	42.87000552	0.003099712	0.002851735
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	175	Diesel	0.00299763	0.003627132	0.004316587	0.072730837	0.006301181	11.80075208	0.00033658	0.000309653
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	300	Diesel	0.000259595	0.000314109	0.000373816	0.00208785	0.000484448	0.974140885	3.01E-05	2.77E-05
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	600	Diesel	0.00016549	0.000200243	0.000238306	0.001373391	0.000275202	0.684373319	1.89E-05	1.74E-05
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	750	Diesel	1.69E-05	2.04E-05	2.43E-05	0.000130363	2.33E-05	0.061172702	1.94E-06	1.79E-06
South Coast	2041	Construction and Mining - Skid Steer Loaders	Skid Steer Loaders	9999	Diesel	0.001138806	0.001377955	0.001639881	0.009717184	0.016894978	4.872474366	0.000267768	0.000246346
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	50	Diesel	7.98E-05	9.65E-05	0.000114841	0.00101283	0.000652715	0.146315256	7.02E-06	6.46E-06
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	75	Diesel	8.94E-05	0.000108193	0.000128759	0.001277013	0.001045173	0.214381967	9.08E-06	8.35E-06
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	100	Diesel	5.92E-05	7.16E-05	8.52E-05	0.001599021	0.000168134	0.277949878	1.59E-05	1.47E-05
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	175	Diesel	0.000308483	0.000373264	0.000444215	0.006920506	0.000671715	1.125815169	4.09E-05	3.76E-05
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	300	Diesel	0.00035784	0.000432987	0.00051529	0.00288245	0.000933251	1.340413601	4.90E-05	4.51E-05
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	600	Diesel	0.001884217	0.002279903	0.002713273	0.01507178	0.003259554	7.406981683	0.000213097	0.00019605
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	750	Diesel	0.000723458	0.000875384	0.00104178	0.00618527	0.001711122	3.110468167	0.000115677	0.000106423
South Coast	2041	Construction and Mining - Surfacing Equipment	Surfacing Equipment	9999	Diesel	0.000383132	0.000463589	0.00055171	0.003410312	0.006063762	1.724517276	8.61E-05	7.92E-05
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	15	Diesel	0.000324471	0.000390268	0.000466433	0.002297786	0.002743279	0.005078415	9.64753E-05	7.28924E-05
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	25	Diesel	0.000476578	0.000573219	0.000685089	0.001956478	0.003622294	0.005236552	0.000121813	9.20368E-05
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	50	Diesel	0.001102591	0.001334135	0.00158773	0.01547282	0.012032421	2.402016728	0.000140186	0.000128971
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	75	Diesel	0.000713198	0.000862969	0.001027005	0.012035658	0.010439291	2.06708894	9.91487E-05	9.12168E-05
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	100	Diesel	0.000548714	0.000663944	0.000790148	0.015711438	0.002033556	2.687085412	0.000179886	0.000165495
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	175	Diesel	0.00014441	0.000174736	0.000207951	0.003679592	0.000405773	0.616432454	2.28708E-05	2.10411E-05
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	300	Diesel	0.000187454	0.00022682	0.000269934	0.001706659	0.000424756	0.832203365	2.49897E-05	2.29905E-05
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	600	Diesel	3.17228E-05	3.83845E-05	4.56808E-05	0.000267258	7.05972E-05	0.132582995	4.53707E-06	4.1741E-06
South Coast	2041	Industrial - Sweepers/Scrubbers	Sweepers/Scrubbers	9999	Diesel	4.75729E-05	5.75632E-05	6.8505E-05	0.00050406	0.000871114	0.262477504	1.2056E-05	1.10915E-05
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	50	Diesel	2.04906E-05	2.47936E-05	2.95064E-05	0.000322616	0.000250245	0.05540188	2.16762E-06	1.99421E-06
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	75	Diesel	0.00043569	0.000527185	0.000627394	0.007685242	0.006632449	1.318378323	4.3142E-05	3.96906E-05
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	100	Diesel	0.000122608	0.000148356	0.000176556	0.003882012	0.000372793	0.674253956	3.66347E-05	3.37039E-05
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	175	Diesel	0.000813024	0.000983759	0.001170754	0.021622837	0.001827865	3.633357337	0.000103574	9.52877E-05
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	300	Diesel	2.18794E-05	2.64741E-05	3.15064E-05	0.000207484	2.98663E-05	0.102058275	2.34594E-06	2.15827E-06
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	600	Diesel	9.62271E-06	1.16435E-05	1.38567E-05	9.362E-05	1.31282E-05	0.048003277	1.01343E-06	9.32356E-07
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	750	Diesel	9.60182E-06	1.16182E-05	1.38266E-05	0.000101393	1.66631E-05	0.05276742	1.47384E-06	1.35593E-06
South Coast	2041	Construction and Mining - Telescopic Handler	Telescopic Handler	9999	Diesel	7.34529E-05	8.8878E-05	0.000105772	0.000784771	0.001375296	0.407726376	1.79725E-05	1.65347E-05
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	25	Diesel	0.004199669	0.005051277	0.006037091	0.017240746	0.031920136	0.046145199	0.001073435	0.000811041
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	25	Diesel	2.38E-06	2.88E-06	3.43E-06	2.37E-05	1.57E-05	0.002324088	1.01E-06	9.26E-07
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	50	Diesel	0.007525736	0.009106141	0.01083706	0.093850767	0.063359639	13.47788788	0.000798733	0.000734835
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	75	Diesel	0.023219437	0.028095519	0.03343599	0.32842857	0.272160733	55.2729497	0.002583926	0.002377212

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Rubber Tired Dozers	600	Diesel	0.000128263	0	439989.045	56186.01805	88.60200249	8768423.73
Rubber Tired Dozers	750	Diesel	4.05E-06	0	13886.41395	1045.255275	1.846594303	282830.5389
Rubber Tired Dozers	9999	Diesel	8.34E-06	0	28593.50749	1071.260149	1.856666785	566826.2082
Rubber Tired Loaders	25	Diesel	1.70E-08	1.47E-08	58.30874591	0	7.34242371	0
Rubber Tired Loaders	50	Diesel	7.29E-06	0	25017.03921	27712.84161	54.66729505	393182.5788
Rubber Tired Loaders	75	Diesel	5.33E-05	0	182847.0811	128597.0562	244.6793721	3075302.558
Rubber Tired Loaders	100	Diesel	8.79E-05	0	301630.7096	164220.4955	301.4227576	5104384.959
Rubber Tired Loaders	175	Diesel	0.000659585	0	2262617.814	838336.9936	1116.205059	44481755.25
Rubber Tired Loaders	300	Diesel	0.001218712	0	4180627.152	1022184.603	1449.307791	82943672.56
Rubber Tired Loaders	600	Diesel	0.000943167	0	3235405.092	467518.7723	643.2270429	64558424.46
Rubber Tired Loaders	750	Diesel	3.75E-05	0	128793.2786	10527.15188	17.62890094	2582641.215
Rubber Tired Loaders	9999	Diesel	8.09E-05	0	277567.9401	16390.35145	26.3788609	5602355.444
Scrapers	50	Diesel	1.93E-07	0	662.2665728	453.0267629	1.797334497	8985.5023
Scrapers	75	Diesel	2.13E-06	0	7290.743112	3701.137503	13.19448807	115229.2404
Scrapers	100	Diesel	2.49E-06	0	8548.904067	3576.609777	11.3830764	141868.6852
Scrapers	175	Diesel	2.22E-05	0	76040.89775	20654.50366	64.80842149	1481645.201
Scrapers	300	Diesel	0.000318663	0	1093131.248	186869.9298	532.5448244	21449776.92
Scrapers	600	Diesel	0.001269784	0	4355820.066	414450.9358	1120.450061	86783116.53
Scrapers	750	Diesel	0.000241471	0	828334.0649	56065.57494	172.4731029	16594867.71
Signal Boards	15	Diesel	1.78E-06	1.53E-06	6086.579471	0	2116.275849	0
Signal Boards	50	Diesel	3.61E-06	2.35E-06	9322.1	5635.6	10.49	208517.2
Skid Steer Loaders	25	Diesel	4.53E-06	3.90E-06	15527.33054	0	2753.528084	0
Skid Steer Loaders	50	Diesel	0.000119382	0	409525.0404	411509.7682	1073.158571	6392705.786
Skid Steer Loaders	75	Diesel	0.000780349	0	2676880.058	1857246.083	4238.694591	46059823.06
Skid Steer Loaders	100	Diesel	0.000406099	0	1393068.309	762256.3048	1659.416858	23628427.69
Skid Steer Loaders	175	Diesel	0.000111786	0	383467.4975	182590.1778	287.4616962	7566209.994
Skid Steer Loaders	300	Diesel	9.23E-06	0	31654.878	8130.90732	14.96238648	626707.9717
Skid Steer Loaders	600	Diesel	6.48E-06	0	22238.8304	2528.484397	4.456000284	442759.3088
Skid Steer Loaders	750	Diesel	5.79E-07	0	1987.81763	176.9215946	0.371333357	42025.95558
Skid Steer Loaders	9999	Diesel	4.62E-05	0	158331.9046	3732.88339	7.982433264	3142883.718
Surfacing Equipment	50	Diesel	1.39E-06	0	4754.539766	5914.691093	12.31850942	65297.93543
Surfacing Equipment	75	Diesel	2.03E-06	0	6966.379435	6047.3798	11.93455841	115912.0037
Surfacing Equipment	100	Diesel	2.63E-06	0	9032.02978	5470.662813	10.74934436	141826.7952
Surfacing Equipment	175	Diesel	1.07E-05	0	36583.56033	17799.81134	26.51058314	709087.258
Surfacing Equipment	300	Diesel	1.27E-05	0	43556.97383	11964.82291	20.9625057	857088.1527
Surfacing Equipment	600	Diesel	7.02E-05	0	240691.1621	40761.96501	62.90957619	4783079.346
Surfacing Equipment	750	Diesel	2.95E-05	0	101075.2057	10534.4289	18.94004857	2007259.546
Surfacing Equipment	9999	Diesel	1.63E-05	0	56038.48975	4089.746778	7.425742133	1116597.35
Sweepers/Scrubbers	15	Diesel	4.81977E-08	4.15178E-08	165.1844453	0	35.46569752	0
Sweepers/Scrubbers	25	Diesel	4.96985E-08	4.28107E-08	170.3281372	0	27.25760758	0
Sweepers/Scrubbers	50	Diesel	2.27538E-05	0	78053.95265	83976.33068	321.1165246	1283620.615
Sweepers/Scrubbers	75	Diesel	1.95811E-05	0	67170.41575	37329.87297	124.2321474	1176731.673
Sweepers/Scrubbers	100	Diesel	2.54542E-05	0	87317.30925	40195.06615	130.9697469	1529133.257
Sweepers/Scrubbers	175	Diesel	5.83935E-06	0	20031.08014	7247.529631	17.46371144	396578.9527
Sweepers/Scrubbers	300	Diesel	7.8833E-06	0	27042.59354	5357.242399	13.48720977	538728.6869
Sweepers/Scrubbers	600	Diesel	1.25593E-06	0	4308.307543	577.254526	1.3939981	85452.47448
Sweepers/Scrubbers	9999	Diesel	2.4864E-06	0	8529.252292	167.075565	0.465842643	169080.4717
Telescopic Handler	50	Diesel	5.24811E-07	0	1800.293769	1975.9965	7.42666714	26997.28335
Telescopic Handler	75	Diesel	1.24887E-05	0	42840.93361	31272.21808	97.28933953	760443.4658
Telescopic Handler	100	Diesel	6.38708E-06	0	21909.99992	13423.23695	41.58933598	373732.2377
Telescopic Handler	175	Diesel	3.44181E-05	0	118066.5806	54459.2471	114.8972875	2322508.721
Telescopic Handler	300	Diesel	9.66778E-07	0	3316.401467	933.4736301	2.228000142	65743.01068
Telescopic Handler	600	Diesel	4.54726E-07	0	1559.874849	162.4072085	0.371333357	30922.3325
Telescopic Handler	750	Diesel	4.99856E-07	0	1714.686516	133.2990463	0.371333357	33991.2568
Telescopic Handler	9999	Diesel	3.86231E-06	0	13249.13971	263.7309603	0.743131536	269005.5795
Tractors/Loaders/Backhoes	25	Diesel	4.38E-07	3.77E-07	1500.954291	0	204.9167625	0
Tractors/Loaders/Backhoes	25	Diesel	2.20E-08	0	75.52166124	158.2451344	0.742666714	1346.666094
Tractors/Loaders/Backhoes	50	Diesel	0.000127673	0	437966.3181	467227.8775	1150.010968	6462186.392
Tractors/Loaders/Backhoes	75	Diesel	0.00052359	0	1796104.144	1225717.489	2735.359252	29998610.62

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	100	Diesel	0.03059579	0.037020905	0.044057937	0.78409936	0.092543938	130.680226	0.009270337	0.00852871
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	175	Diesel	0.035022671	0.042377432	0.050432646	0.815570819	0.073617875	132.3556576	0.004230943	0.003892468
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	300	Diesel	0.014380644	0.017400579	0.020708127	0.11919427	0.026713887	55.96233847	0.001658726	0.001526028
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	600	Diesel	0.010650999	0.012887709	0.015337438	0.086302381	0.018681965	42.34285222	0.00119198	0.001096622
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	750	Diesel	0.000466525	0.000564495	0.000671796	0.004039606	0.000882482	2.029473103	6.99E-05	6.43E-05
South Coast	2041	Construction and Mining - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	9999	Diesel	0.002018024	0.002441809	0.002905954	0.016154199	0.028476954	8.006993427	0.000461683	0.000424748
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	15	Diesel	0.001080187	0.001299228	0.001552786	0.006814999	0.008136283	0.015597273	0.000286136	0.000216192
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	25	Diesel	0.003805577	0.004577272	0.005470576	0.015622893	0.028924784	0.041814983	0.000972706	0.000734932
South Coast	2041	Construction and Mining - Trenchers	Trenchers	50	Diesel	0.001864568	0.002256128	0.002684978	0.025914933	0.019133131	4.09926416	0.000207207	0.00019063
South Coast	2041	Construction and Mining - Trenchers	Trenchers	75	Diesel	0.000462931	0.000560146	0.00066662	0.006940346	0.005828261	1.222248546	6.77E-05	6.23E-05
South Coast	2041	Construction and Mining - Trenchers	Trenchers	100	Diesel	0.00037536	0.000454186	0.000540519	0.008495118	0.001499138	1.453795074	0.000128993	0.000118673
South Coast	2041	Construction and Mining - Trenchers	Trenchers	175	Diesel	0.000579757	0.000701506	0.00083485	0.013776536	0.001488906	2.297772405	8.24E-05	7.58E-05
South Coast	2041	Construction and Mining - Trenchers	Trenchers	300	Diesel	0.000340832	0.000412406	0.000490798	0.002852648	0.00135236	1.345601986	6.02E-05	5.53E-05
South Coast	2041	Construction and Mining - Trenchers	Trenchers	600	Diesel	0.000612125	0.000740671	0.00088146	0.004537644	0.002956093	2.278520191	0.000121983	0.000112225
South Coast	2041	Construction and Mining - Trenchers	Trenchers	750	Diesel	3.83E-05	4.64E-05	5.52E-05	0.000268129	0.000337529	0.138279972	1.16E-05	1.07E-05
South Coast	2041	Construction and Mining - Trenchers	Trenchers	9999	Diesel	0.000718219	0.000869045	0.001034235	0.005379445	0.009521361	2.634449948	0.000183937	0.000169222
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	15	Electric	0.000202573	1.83336E-05	0.000200526	0.007143273	0.000195261	6.56122E-07	1.82332E-05	1.37762E-05
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	25	Electric	0.017131375	0.001550456	0.016958228	0.434597565	0.011946928	3.82138E-05	0.001171354	0.000885022
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	5	Electric	0	0	0	0	0	0	0	0
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	15	Electric	0	0	0	0	0	0	0	0
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	25	Electric	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	25	Electric	0.003052997	0.000276308	0.003022141	0.043705875	0.001220381	3.37653E-06	0.000135006	0.000102005
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	15	Gasoline	0.001233078	0.00124541	0.001356927	0.03488107	0.00091142	1.38899E-06	0.000450034	0.000340025
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	25	Gasoline	0.067709096	0.068386184	0.07450973	1.791528402	0.043819926	6.72115E-05	0.021776538	0.016453382
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	50	Gasoline	0.009177773	0.008441716	0.01009958	0.755720701	0.013845512	7.218064615	0.000497607	0.00037597
South Coast	2041	Industrial - Misc - Aerial Lifts	Aerial Lifts	100	Gasoline	0.007237162	0.006656741	0.007964055	0.401767228	0.018269838	14.49021684	0.001010293	0.000763332
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	5	Gasoline	0.277970753	0.280750459	0.305889856	11.38368147	0.082521151	27.15055194	0.000317758	0.000420563
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	15	Gasoline	1.313381877	1.326515695	1.445296638	85.42933877	0.802468217	170.2192439	0.002161817	0.002861231
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	25	Gasoline	0.018358023	0.018541601	0.020201884	2.692630959	0.027012977	4.142107392	4.97865E-05	6.58938E-05
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	50	Gasoline	0.008416155	0.007741179	0.009261465	0.835644766	0.010912448	4.630310292	0.000319209	0.00024118
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	100	Gasoline	0.022120512	0.020346447	0.024342274	1.500028409	0.056498112	29.69156426	0.002070167	0.001564126
South Coast	2041	Light Commercial - Misc - Air Compressors	Air Compressors	175	Gasoline	0.002811944	0.002586426	0.003094373	0.135929735	0.007299756	3.71867072	0.000266589	0.000201423
South Coast	2041	Construction and Mining - Misc - Asphalt Pavers	Asphalt Pavers	15	Gasoline	0.001786177	0.001804038	0.001965577	0.058939234	0.001321405	2.35E-06	0.000762579	0.000576171
South Coast	2041	Construction and Mining - Misc - Asphalt Pavers	Asphalt Pavers	25	Gasoline	0.007892746	0.007971674	0.008685486	0.261766622	0.00511227	9.85E-06	0.00319084	0.002410857
South Coast	2041	Construction and Mining - Misc - Asphalt Pavers	Asphalt Pavers	50	Gasoline	0.000854889	0.000786326	0.000940753	0.079669374	0.001173037	0.542817841	3.74E-05	2.83E-05
South Coast	2041	Construction and Mining - Misc - Asphalt Pavers	Asphalt Pavers	100	Gasoline	0.000357356	0.000328696	0.000393248	0.0226947	0.000908613	0.561996397	3.92E-05	2.96E-05
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	15	Gasoline	0.00022353	0.000225765	0.000245981	0.008068604	0.000165404	3.22E-07	0.000104376	7.89E-05
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	25	Gasoline	0.00213391	0.002155247	0.002348236	0.077194542	0.001382338	2.90E-06	0.000940808	0.000710832
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	50	Gasoline	6.10E-05	5.62E-05	6.72E-05	0.004533349	9.83E-05	0.054954001	3.79E-06	2.86E-06
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	100	Gasoline	0.000293165	0.000269653	0.00032261	0.014444549	0.000736322	0.685999806	4.78E-05	3.61E-05
South Coast	2041	Construction and Mining - Misc - Bore/Drill Rigs	Bore/Drill Rigs	175	Gasoline	7.89E-05	7.26E-05	8.68E-05	0.007604737	0.000277405	0.236454847	1.70E-05	1.28E-05
South Coast	2041	Construction and Mining - Misc - Cement And Mortar Mixers	Cement And Mortar Mixers	5	Gasoline	0.03959964	0.039995636	0.043576988	1.067795584	0.017780294	4.07E-05	0.000512422	0.000387164
South Coast	2041	Construction and Mining - Misc - Cement And Mortar Mixers	Cement And Mortar Mixers	15	Gasoline	0.086124978	0.086986226	0.094775286	2.758327516	0.063720928	0.00011025	0.035720932	0.026989152
South Coast	2041	Construction and Mining - Misc - Cement And Mortar Mixers	Cement And Mortar Mixers	25	Gasoline	0.001183972	0.001195811	0.001302887	0.038216186	0.000766979	1.44E-06	0.000466268	0.000352291
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	5	Gasoline	0.003315194	0.003348344	0.003648169	0.087903534	0.001488532	3.35E-06	4.22E-05	3.19E-05
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	15	Gasoline	0.062324234	0.062947478	0.068584016	2.01662357	0.046112222	8.06E-05	0.026113836	0.019730452
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	25	Gasoline	0.038893142	0.039282076	0.042799532	1.264982836	0.02519503	4.76E-05	0.015432658	0.01166023
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	50	Gasoline	0.001401003	0.001288642	0.001541718	0.103900867	0.002256648	1.261020499	8.69E-05	6.57E-05
South Coast	2041	Construction and Mining - Misc - Concrete/Industrial Saws	Concrete/Industrial Saws	100	Gasoline	0.000575759	0.000529583	0.000633587	0.028319033	0.001444484	1.347644315	9.40E-05	7.10E-05
South Coast	2041	Construction and Mining - Misc - Cranes	Cranes	50	Gasoline	0.000282013	0.000259395	0.000310338	0.027171598	0.00037577	0.166610917	1.15E-05	8.68E-06
South Coast	2041	Construction and Mining - Misc - Cranes	Cranes	100	Gasoline	0.00045387	0.00041747	0.000499457	0.029842535	0.001156188	0.658956457	4.59E-05	3.47E-05
South Coast	2041	Construction and Mining - Misc - Cranes	Cranes	175	Gasoline	2.95E-05	2.71E-05	3.25E-05	0.001550321	7.89E-05	0.043302476	3.10E-06	2.35E-06
South Coast	2041	Construction and Mining - Misc - Crushing/Proc. Equipment	Crushing/Proc. Equipment	15	Gasoline	0.000329903	0.000333202	0.000363038	0.011481522	0.000244097	4.58E-07	0.00014855	0.000112238
South Coast	2041	Construction and Mining - Misc - Crushing/Proc. Equipment	Crushing/Proc. Equipment	25	Gasoline	0.000405294	0.000409346	0.000446001	0.014177274	0.00026254	5.33E-07	0.000172813	0.00013057
South Coast	2041	Construction and Mining - Misc - Dumpers/Tenders	Dumpers/Tenders	5	Gasoline	0.002189665	0.002211562	0.002409595	0.049105768	0.000983329	1.87E-06	2.36E-05	1.78E-05
South Coast	2041	Construction and Mining - Misc - Dumpers/Tenders	Dumpers/Tenders	15	Gasoline	0.008181706	0.008263524	0.00900347	0.224505936	0.006050982	8.97E-06	0.002907337	0.002196654
South Coast	2041	Construction and Mining - Misc - Dumpers/Tenders	Dumpers/Tenders	25	Gasoline	0.003377332	0.003411106	0.003716552	0.093171996	0.002187301	3.51E-06	0.001136746	0.000858874

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Tractors/Loaders/Backhoes	100	Diesel	0.001237908	0	4246476.743	2209331.333	4635.616906	71527824.19
Tractors/Loaders/Backhoes	175	Diesel	0.001253779	0	4300920.185	1802327.336	2752.782738	84339929.68
Tractors/Loaders/Backhoes	300	Diesel	0.00053012	0	1818505.952	443865.885	756.5942869	35989387.63
Tractors/Loaders/Backhoes	600	Diesel	0.000401106	0	1375938.37	190359.374	321.6513658	27466055.51
Tractors/Loaders/Backhoes	750	Diesel	1.92E-05	0	65948.08255	5072.074566	9.490605741	1309933.15
Tractors/Loaders/Backhoes	9999	Diesel	7.58E-05	0	260188.6484	7216.791059	12.99604619	5213500.053
Trenchers	15	Diesel	1.48E-07	1.28E-07	507.3289307	0	156.0352516	0
Trenchers	25	Diesel	3.97E-07	3.42E-07	1360.106368	0	136.3975386	0
Trenchers	50	Diesel	3.88E-05	0	133206.3041	98097.83829	316.2005847	2043775.598
Trenchers	75	Diesel	1.16E-05	0	39717.17975	20598.49114	65.85623145	637105.8301
Trenchers	100	Diesel	1.38E-05	0	47241.32458	17862.65283	54.40692484	781070.9417
Trenchers	175	Diesel	2.18E-05	0	74666.51517	23327.41353	55.51355386	1453480.78
Trenchers	300	Diesel	1.27E-05	0	43725.57129	7705.09999	20.71096566	861695.0561
Trenchers	600	Diesel	2.16E-05	0	74040.91113	6721.593338	19.40619775	1471763.627
Trenchers	750	Diesel	1.31E-06	0	4493.431802	277.2962178	1.113993286	89076.47076
Trenchers	9999	Diesel	2.50E-05	0	85606.91067	3960.619719	9.996279252	1697037.014
Aerial Lifts	15	Electric	1.49571E-08	1.34565E-07	384.4615276	0	9.696844954	0
Aerial Lifts	25	Electric	9.29016E-07	8.35808E-06	23879.63628	0	386.4169361	0
Air Compressors	5	Electric	0	0	0	0	501083.7872	0
Air Compressors	15	Electric	0	0	0	0	1329452.77	0
Air Compressors	25	Electric	0	0	0	0	7043.674732	0
Forklifts	25	Electric	9.86916E-08	8.879E-07	2536.791011	0	12.97448122	0
Aerial Lifts	2	Gasoline	0	0	0	0	6.588505754	0
Aerial Lifts	5	Gasoline	0	0	0	0	6.588505754	0
Aerial Lifts	15	Gasoline	5.62269E-07	7.76138E-07	2204.927987	0	20.52796721	0
Aerial Lifts	25	Gasoline	2.8965E-05	3.99824E-05	113816.8687	0	679.6413978	0
Aerial Lifts	50	Gasoline	8.77585E-05	0.000111882	319367.7	200994.55	556.35	6632820.15
Aerial Lifts	100	Gasoline	0.000139996	0.000200759	573068.25	200994.55	556.35	13466634.85
Air Compressors	5	Gasoline	0.000439072	0.000606082	1716034.691	0	40705.46563	0
Air Compressors	15	Gasoline	0.002947926	0.004069231	11526789.64	0	107997.8946	0
Air Compressors	25	Gasoline	8.00557E-05	0.000110507	314697.3662	0	1117.770016	0
Air Compressors	50	Gasoline	5.62961E-05	7.92169E-05	226124.8	99874.95	206.55	3495623.25
Air Compressors	100	Gasoline	0.000286862	0.000425863	1215628.85	323835.3	669.92	22668471
Air Compressors	175	Gasoline	3.69411E-05	5.22597E-05	149175.5	21761.3	45.08	2916014.2
Asphalt Pavers	15	Gasoline	9.41E-07	1.30E-06	3687.009983	0	33.16171667	0
Asphalt Pavers	25	Gasoline	4.16E-06	5.74E-06	16369.85177	0	56.76450019	0
Asphalt Pavers	50	Gasoline	6.60E-06	8.90E-06	25404	10862.4	27.68	347596.8
Asphalt Pavers	100	Gasoline	5.43E-06	7.93E-06	22640.95	5964.1	15.18	363810.1
Bore/Drill Rigs	15	Gasoline	1.28E-07	1.77E-07	502.0086766	0	10.89901619	0
Bore/Drill Rigs	25	Gasoline	1.22E-06	1.69E-06	4802.240807	0	54.5774465	0
Bore/Drill Rigs	50	Gasoline	6.68E-07	8.20E-07	2339.65	894.25	8.52	28616
Bore/Drill Rigs	100	Gasoline	6.63E-06	9.41E-06	26864	4215.75	39.37	370986
Bore/Drill Rigs	175	Gasoline	2.35E-06	3.30E-06	9406.05	1000.1	9.75	126012.6
Cement And Mortar Mixers	5	Gasoline	1.76E-05	2.44E-05	67739.24147	0	4966.222584	0
Cement And Mortar Mixers	15	Gasoline	4.45E-05	6.14E-05	172879.8928	0	8414.468719	0
Cement And Mortar Mixers	25	Gasoline	6.10E-07	8.42E-07	2394.012725	0	35.14701164	0
Concrete/Industrial Saws	5	Gasoline	1.45E-06	2.00E-06	5583.64996	0	273.5427094	0
Concrete/Industrial Saws	15	Gasoline	3.22E-05	4.44E-05	126309.5797	0	1227.454991	0
Concrete/Industrial Saws	25	Gasoline	2.01E-05	2.78E-05	79204.84634	0	384.0335583	0
Concrete/Industrial Saws	50	Gasoline	1.53E-05	1.90E-05	54093	19531.15	31.98	683590.25
Concrete/Industrial Saws	100	Gasoline	1.30E-05	1.85E-05	52738.85	11187.25	18.33	738358.5
Cranes	50	Gasoline	2.03E-06	2.79E-06	7957	4029.6	9.75	149095.2
Cranes	100	Gasoline	6.37E-06	9.38E-06	26783.7	8121.25	19.46	600972.5
Cranes	175	Gasoline	4.30E-07	6.06E-07	1730.1	321.2	0.73	40150
Crushing/Proc. Equipment	15	Gasoline	1.82E-07	2.52E-07	715.8906421	0	6.873013262	0
Crushing/Proc. Equipment	25	Gasoline	2.25E-07	3.10E-07	883.7047206	0	4.497520832	0
Dumpers/Tenders	5	Gasoline	8.36E-07	1.15E-06	3163.154956	0	253.6535518	0
Dumpers/Tenders	15	Gasoline	3.66E-06	5.05E-06	14223.54806	0	540.8994529	0
Dumpers/Tenders	25	Gasoline	1.51E-06	2.08E-06	5900.531467	0	100.1782012	0

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Construction and Mining - Misc - Dumpers/Tenders	Dumpers/Tenders	100	Gasoline	2.51E-05	2.31E-05	2.76E-05	0.001277911	6.31E-05	0.056482394	3.94E-06	2.98E-06
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	25	Gasoline	0.000422222	0.000426445	0.00046463	0.035221066	0.000234236	9.60357E-06	8.59364E-07	6.49298E-07
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	50	Gasoline	0.232703761	0.21404092	0.256076294	27.46912251	0.542304323	97.26199044	0.006705155	0.005066117
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	100	Gasoline	0.491188392	0.451795083	0.540522863	46.71862126	2.446965283	576.1982394	0.040173924	0.030353632
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	175	Gasoline	0.025647526	0.023590594	0.028223538	1.788496409	0.151234635	42.71741112	0.003062383	0.002313801
South Coast	2041	Construction and Mining - Misc - Other	Other	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Other	Other	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Other	Other	15	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Other	Other	25	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Other	Other	175	Gasoline	0.000536985	0.000493919	0.000590919	0.045640519	0.001770283	1.394795319	1.00E-04	7.55E-05
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	15	Gasoline	0.013823001	0.013961231	0.015211372	0.816747814	0.007090733	0.000322708	7.03065E-05	5.31204E-05
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	25	Gasoline	0.012196736	0.012318704	0.013421764	1.074180246	0.006766332	0.000292891	2.62091E-05	1.98024E-05
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	50	Gasoline	0.007213962	0.006635402	0.007938525	0.693609315	0.01612508	4.859583342	0.000335015	0.000253123
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	100	Gasoline	0.002231565	0.002052594	0.002455702	0.162782027	0.013290661	4.158097765	0.000289913	0.000219045
South Coast	2041	Industrial - Misc - Other General Industrial Equipment	Other General Industrial Equ	175	Gasoline	0.000313208	0.000288089	0.000344666	0.030195497	0.002675311	0.861973934	6.17943E-05	4.66891E-05
South Coast	2041	Industrial - Misc - Other Material Handling Equipment	Other Material Handling Equi	50	Gasoline	0.000156358	0.000143818	0.000172063	0.015522816	0.000352543	0.099757378	6.87718E-06	5.19609E-06
South Coast	2041	Industrial - Misc - Other Material Handling Equipment	Other Material Handling Equi	100	Gasoline	0.003250337	0.00298966	0.003576798	0.247393588	0.018925164	5.748592695	0.000400806	0.000302831
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	5	Gasoline	0.04633491	0.046798258	0.050988744	1.111617016	0.0208067	4.23E-05	0.000533436	0.000403041
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	15	Gasoline	0.170978502	0.172688286	0.188151408	5.266663772	0.126487334	0.000210502	0.068202568	0.05153083
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	25	Gasoline	0.008827856	0.008916134	0.009714518	0.273341272	0.005718282	1.03E-05	0.003334882	0.00251969
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	50	Gasoline	0.000783182	0.00072037	0.000861844	0.059632837	0.001242693	0.684398805	4.72E-05	3.56E-05
South Coast	2041	Construction and Mining - Misc - Paving Equipment	Paving Equipment	100	Gasoline	0.000137635	0.000126596	0.000151459	0.006984753	0.000346145	0.311109348	2.17E-05	1.64E-05
South Coast	2041	Construction and Mining - Misc - Plate Compactors	Plate Compactors	5	Gasoline	0.033433692	0.033768028	0.036791736	0.783459416	0.015013804	2.98E-05	0.000375973	0.000284068
South Coast	2041	Construction and Mining - Misc - Plate Compactors	Plate Compactors	15	Gasoline	0.060528654	0.061133943	0.066608095	1.850995588	0.044806521	7.42E-05	0.024027638	0.018154217
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	5	Gasoline	0.001899464	0.001918458	0.002090245	0.05321461	0.000852805	2.03E-06	2.55E-05	1.93E-05
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	15	Gasoline	0.016909356	0.01707845	0.018607716	0.551282386	0.01251092	2.20E-05	0.007138206	0.005393312
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	25	Gasoline	0.025463066	0.025717696	0.028020552	0.834201946	0.016494986	3.14E-05	0.010176456	0.007688876
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	50	Gasoline	0.001370632	0.001260707	0.001508297	0.142929866	0.001689582	0.657765049	4.53E-05	3.43E-05
South Coast	2041	Construction and Mining - Misc - Rollers	Rollers	100	Gasoline	0.002142578	0.001970743	0.002357776	0.152635247	0.005481247	2.47845774	0.000172804	0.000130563
South Coast	2041	Construction and Mining - Misc - Rough Terrain Forklifts	Rough Terrain Forklifts	50	Gasoline	0.000381437	0.000350846	0.000419748	0.036714818	0.000508705	0.225857334	1.56E-05	1.18E-05
South Coast	2041	Construction and Mining - Misc - Rough Terrain Forklifts	Rough Terrain Forklifts	100	Gasoline	0.003940344	0.003624328	0.004336108	0.258818585	0.010037109	5.735046471	0.000399861	0.000302117
South Coast	2041	Construction and Mining - Misc - Rough Terrain Forklifts	Rough Terrain Forklifts	175	Gasoline	0.000222738	0.000204874	0.000245109	0.011738719	0.000596361	0.328099602	2.35E-05	1.78E-05
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	15	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	25	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	50	Gasoline	0.000469244	0.00043161	0.000516374	0.046775782	0.000605548	0.255316876	1.76E-05	1.33E-05
South Coast	2041	Construction and Mining - Misc - Rubber Tired Loaders	Rubber Tired Loaders	100	Gasoline	0.00227503	0.002092573	0.002503532	0.154893261	0.005805524	3.017264595	0.000210371	0.000158947
South Coast	2041	Construction and Mining - Misc - Signal Boards	Signal Boards	5	Gasoline	0.000115503	0.000116658	0.000127104	0.003067097	5.19E-05	1.17E-07	1.47E-06	1.11E-06
South Coast	2041	Construction and Mining - Misc - Signal Boards	Signal Boards	15	Gasoline	0.002142372	0.002163796	0.002357549	0.072378414	0.001585305	2.89E-06	0.000937318	0.000708194
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	15	Gasoline	0.000750277	0.00075778	0.000825633	0.021831312	0.000554909	8.72E-07	0.000282571	0.000213498
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	25	Gasoline	0.065029046	0.065679338	0.071560498	1.957260574	0.042116884	7.37E-05	0.023867484	0.018033208
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	50	Gasoline	0.004290151	0.003946081	0.004721049	0.335620747	0.006694609	3.623596008	0.000249807	0.000188743
South Coast	2041	Construction and Mining - Misc - Skid Steer Loaders	Skid Steer Loaders	100	Gasoline	0.002466043	0.002268266	0.00271373	0.129152157	0.006210982	5.35857008	0.000373612	0.000282285
South Coast	2041	Construction and Mining - Misc - Surfacing Equipment	Surfacing Equipment	5	Gasoline	0.01109646	0.011207426	0.01221098	0.248864394	0.004983192	9.48E-06	0.000119427	9.02E-05
South Coast	2041	Construction and Mining - Misc - Surfacing Equipment	Surfacing Equipment	15	Gasoline	0.107537184	0.108612556	0.11833811	2.8334108	0.07952473	0.000113251	0.036693278	0.02772381
South Coast	2041	Construction and Mining - Misc - Surfacing Equipment	Surfacing Equipment	25	Gasoline	0.003687595	0.003724469	0.004057972	0.0977041	0.002388112	3.68E-06	0.001192065	0.000900671
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	15	Gasoline	0.005594256	0.005650198	0.006156136	0.344752584	0.002791975	0.000142877	1.43833E-05	1.08674E-05
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	25	Gasoline	0.012279728	0.012402524	0.01351309	1.17115412	0.006812298	0.000319332	2.85752E-05	2.15901E-05
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	50	Gasoline	0.019977459	0.018375267	0.021983975	1.729601789	0.043701214	15.70765282	0.001082872	0.00081817
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	100	Gasoline	0.011659207	0.010724139	0.012830246	0.739411582	0.074291151	25.19455695	0.001756625	0.001327228
South Coast	2041	Industrial - Misc - Sweepers/Scrubbers	Sweepers/Scrubbers	175	Gasoline	9.028E-05	8.30396E-05	9.93477E-05	0.009826241	0.000880693	0.293302049	2.10266E-05	1.58868E-05

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Dumpers/Tenders	100	Gasoline	5.46E-07	7.75E-07	2211.9	857.75	7.02	56611.5
Forklifts	25	Gasoline	5.38769E-07	7.43702E-07	2119.637846	0	5.12529696	0
Forklifts	50	Gasoline	0.001182529	0.001873573	5348122.35	3342713.8	1855.49	137051265.8
Forklifts	100	Gasoline	0.005566879	0.008634581	24647442.6	11730585.35	6511.34	821140974.5
Forklifts	175	Gasoline	0.000424353	0.000604658	1725997.4	428714.4	237.98	62592302.4
Other	2	Gasoline	0	0	0	0	4.82867258	0
Other	5	Gasoline	0	0	0	0	4.82867258	0
Other	15	Gasoline	0	0	0	0	4.82867258	0
Other	25	Gasoline	0	0	0	0	4.82867258	0
Other	175	Gasoline	1.39E-05	1.95E-05	55563.95	10143.35	27.29	1278062.1
Other General Industrial Equ	2	Gasoline	0	0	0	0	0.619221718	0
Other General Industrial Equ	5	Gasoline	0	0	0	0	0.619221718	0
Other General Industrial Equ	15	Gasoline	1.26985E-05	1.75287E-05	49681.12761	0	695.1542126	0
Other General Industrial Equ	25	Gasoline	1.64087E-05	2.26501E-05	64556.67664	0	232.2472427	0
Other General Industrial Equ	50	Gasoline	5.90837E-05	7.92348E-05	226175.9	126808.3	177.69	3804249
Other General Industrial Equ	100	Gasoline	4.0173E-05	5.86058E-05	167290.45	41653.8	58.37	3290650.2
Other General Industrial Equ	175	Gasoline	8.56281E-06	1.20682E-05	34448.7	4029.6	5.64	701150.4
Other Material Handling Equ	50	Gasoline	1.21287E-06	1.63927E-06	4679.3	1912.6	5.02	78416.6
Other Material Handling Equ	100	Gasoline	5.55394E-05	8.1498E-05	232636.4	85869.9	222.3	4636974.6
Paving Equipment	5	Gasoline	1.86E-05	2.56E-05	71184.22987	0	3497.279291	0
Paving Equipment	15	Gasoline	8.46E-05	0.000116829	330941.778	0	5912.245067	0
Paving Equipment	25	Gasoline	4.37E-06	6.03E-06	17169.96109	0	131.4043006	0
Paving Equipment	50	Gasoline	8.32E-06	1.04E-05	29546.75	13249.5	75.68	490231.5
Paving Equipment	100	Gasoline	3.01E-06	4.28E-06	12205.6	3409.1	19.51	225000.6
Plate Compactors	5	Gasoline	1.31E-05	1.81E-05	50271.25904	0	2497.29139	0
Plate Compactors	15	Gasoline	2.99E-05	4.12E-05	116368.0889	0	2774.468339	0
Rollers	2	Gasoline	0	0	0	0	0.460249344	0
Rollers	5	Gasoline	8.77E-07	1.21E-06	3366.216433	0	261.021959	0
Rollers	15	Gasoline	8.81E-06	1.22E-05	34512.44628	0	422.111288	0
Rollers	25	Gasoline	1.33E-05	1.83E-05	52208.08649	0	285.0513953	0
Rollers	50	Gasoline	8.00E-06	1.18E-05	33587.3	12110.7	19.46	448095.9
Rollers	100	Gasoline	2.39E-05	3.61E-05	103159.95	22765.05	36.65	1707378.75
Rough Terrain Forklifts	50	Gasoline	2.75E-06	3.77E-06	10752.9	3241.2	7.88	152336.4
Rough Terrain Forklifts	100	Gasoline	5.54E-05	8.16E-05	232891.9	45756.4	110.72	3889294
Rough Terrain Forklifts	175	Gasoline	3.26E-06	4.61E-06	13147.3	1547.6	3.7	219759.2
Rubber Tired Loaders	2	Gasoline	0	0	0	0	0.713018756	0
Rubber Tired Loaders	5	Gasoline	0	0	0	0	0.713018756	0
Rubber Tired Loaders	15	Gasoline	0	0	0	0	0.713018756	0
Rubber Tired Loaders	25	Gasoline	0	0	0	0	0.713018756	0
Rubber Tired Loaders	50	Gasoline	3.10E-06	4.38E-06	12508.55	4964	9.75	198560
Rubber Tired Loaders	100	Gasoline	2.92E-05	4.33E-05	123669.3	33171.2	64.73	2388326.4
Signal Boards	5	Gasoline	5.03E-08	6.95E-08	194.800516	0	7.83697185	0
Signal Boards	15	Gasoline	1.15E-06	1.59E-06	4521.065003	0	55.52618479	0
Skid Steer Loaders	2	Gasoline	0	0	0	0	0.803074984	0
Skid Steer Loaders	5	Gasoline	0	0	0	0	0.803074984	0
Skid Steer Loaders	15	Gasoline	3.51E-07	4.84E-07	1377.221548	0	11.15872456	0
Skid Steer Loaders	25	Gasoline	3.13E-05	4.33E-05	123182.0138	0	694.4932459	0
Skid Steer Loaders	50	Gasoline	4.41E-05	5.52E-05	157683.65	82522.85	265.99	2640731.2
Skid Steer Loaders	100	Gasoline	5.18E-05	7.38E-05	210747.35	49395.45	159.1	3951636
Surfacing Equipment	5	Gasoline	4.17E-06	5.76E-06	16030.55674	0	641.0834887	0
Surfacing Equipment	15	Gasoline	4.61E-05	6.36E-05	180067.2501	0	1903.558292	0
Surfacing Equipment	25	Gasoline	1.58E-06	2.18E-06	6206.544632	0	26.03850448	0
Sweepers/Scrubbers	2	Gasoline	0	0	0	0	0.426144442	0
Sweepers/Scrubbers	5	Gasoline	0	0	0	0	0.426144442	0
Sweepers/Scrubbers	15	Gasoline	5.34707E-06	7.38093E-06	20939.55794	0	308.7646477	0
Sweepers/Scrubbers	25	Gasoline	1.78529E-05	2.46436E-05	70252.17228	0	306.7097422	0
Sweepers/Scrubbers	50	Gasoline	0.000190976	0.000245241	700040.8	267209.2	517.35	9352322
Sweepers/Scrubbers	100	Gasoline	0.000243415	0.000349866	998694.75	223095.3	432	15170480.4
Sweepers/Scrubbers	175	Gasoline	2.91365E-06	4.09434E-06	11687.3	1295.75	2.5	181405

Region	Calendar Year	Vehicle Category	KNE Equipment Type	Horsepower Bin	Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd
South Coast	2041	Construction and Mining - Misc - Tampers/Rammers	Tampers/Rammers	15	Gasoline	0.011455761	0.011570317	0.012606365	0.444034002	0.008779612	1.96E-05	0.006335771	0.004787026
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	15	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	25	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	100	Gasoline	0.001731814	0.001592923	0.001905756	0.121303647	0.004419805	2.113940461	0.000147389	0.000111361
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	2	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	5	Gasoline	0	0	0	0	0	0	0	0
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	15	Gasoline	0.029759294	0.030056886	0.032748286	0.963507486	0.02201614	3.85E-05	0.012470608	0.009422236
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	25	Gasoline	0.051155208	0.051666762	0.056293186	1.664489478	0.03313529	6.26E-05	0.020296626	0.015335228
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	50	Gasoline	0.005578218	0.005130845	0.006138489	0.533970914	0.007476631	3.344401646	0.00023056	0.000174201
South Coast	2041	Construction and Mining - Misc - Trenchers	Trenchers	100	Gasoline	0.001636136	0.001504918	0.001800468	0.106856022	0.004166488	2.414348612	0.000168334	0.000127186
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	50	Nat Gas	0	0	0.020318091	3.38080797	0.884336489	210.9640896	0.018761812	0
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	100	Nat Gas	0	0	0.120538063	56.99275608	5.71264343	1264.1285	0.112423602	0
South Coast	2041	Industrial - Misc - Forklifts	Forklifts	175	Nat Gas	0	0	0.005531727	3.339561412	0.284530686	96.48672368	0.00858092	0

KNE Equipment Type	Horsepower Bin	Fuel	SOx_tpd	NH3_tpd	Fuel Consumption_gal/yr	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Tampers/Rammers	15	Gasoline	7.17E-06	9.90E-06	27516.72327	0	1533.67151	0
Tractors/Loaders/Backhoes	2	Gasoline	0	0	0	0	1.651675544	0
Tractors/Loaders/Backhoes	5	Gasoline	0	0	0	0	1.651675544	0
Tractors/Loaders/Backhoes	15	Gasoline	0	0	0	0	1.651675544	0
Tractors/Loaders/Backhoes	25	Gasoline	0	0	0	0	1.651675544	0
Tractors/Loaders/Backhoes	100	Gasoline	2.04E-05	3.06E-05	87443.05	29882.55	34.33	1882600.65
Trenchers	2	Gasoline	0	0	0	0	0.486184426	0
Trenchers	5	Gasoline	0	0	0	0	0.486184426	0
Trenchers	15	Gasoline	1.54E-05	2.12E-05	60346.14785	0	445.3359232	0
Trenchers	25	Gasoline	2.65E-05	3.66E-05	104216.5514	0	345.1473975	0
Trenchers	50	Gasoline	4.07E-05	5.57E-05	159118.1	71386.7	177.45	2141601
Trenchers	100	Gasoline	2.33E-05	3.43E-05	97929.5	23699.45	58.89	1564163.7
Forklifts	50	Nat Gas	0	0	11237667.45	8417962.15	4672.56	345136448.2
Forklifts	100	Nat Gas	0	0	70324360.2	29544439.55	16399.4	2068110769
Forklifts	175	Nat Gas	0	0	5278297.85	1081181.1	600.13	157852440.6

DEMOLITION, DIRT HANDLING AND ROAD DUST

Input Site Specific Parameters	Value	Source
Mean Wind Speed (mph)	7.8	Western Regional Climate Center (WRCC)
Number of Days with Precipitation over 0.01"	34	CalEEMod Appendix G, Table G-2
Material Silt Content (Soil)	6.9	CALEEMOD
Material Moisture Content (Soil)	16	Project specific - Muck
Material Silt Content (Aggregate) (Default is 1.5 for crushed limestone - AP42 and CAL	1.5	AP42 and CALEEMOD
Material Moisture Content (Aggregate) (Default is 2 from AP42 and CALEEMOD)	2	AP42 and CALEEMOD

Project Avoidance Measures	% reduction	Notes - Source
Demolition -	40%	SCAQMD
Bulldozing soil - water 3x a day	0%	Soil is already wet - no mitigation proposed
Bulldozing aggregate - water 2x a day	50%	SCAQMD
Truck Loading Soil	0%	Soil is already wet - no mitigation proposed
Truck Loading Aggregate - Apply water every 3 hours to	40%	SCAQMD
Road dust - unpaved roads - pave roads	0%	SCAQMD
Road dust - paved roads - install wheel washer	40%	SCAQMD

http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf

MITIGATION MEASURE RESOURCES

The following are methods or techniques that may be applied to various operations or equipment when appropriate to mitigate estimated emissions.

Fugitive Dust Mitigation Measures

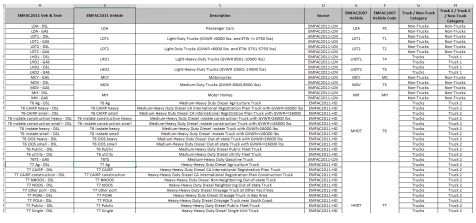
- SCAQMD, *CEQA Handbook*, Tables 11-4, page 11-15 and A11-9-A, page A11-77.

Emission Source	Mitigation Measure	Emission Reduction Efficiency	Favorable Factors
Fugitive dust/ Construction	Apply non-toxic chemical soil stabilizers according to manufactures' specifications, to all inactive construction areas (previously graded areas inactive for ten days or more)	30%-65%*	Stabilizers applied in sufficient concentration to provide erosion protection for at least on year
Fugitive dust/ Construction	Replace ground cover in disturbed areas as quickly as possible	15%-49%*	Small, densely planted ground cover
Fugitive dust/ Construction	Enclose, cover, water twice daily, or apply non-toxic soil binders, according to manufactures' specifications, to exposed stockpiles (i.e., gravel, sand, dirt) with five percent or greater soil content	30%-74%*	Automatic water mist or sprinkler systems should be installed in areas with stockpiles
Fugitive dust/ Construction	Water active sites at least twice daily	34%-68%*	Water at sufficient frequency to keep soil moist enough so visible plumes are eliminated
Fugitive dust/ Construction	Suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 miles per hour	Not quantified	
Fugitive dust/ Construction	Monitor for particulate emissions according to District-specified procedures	Not quantified	
Fugitive dust from roads	All trucks hauling, dirt, sand, soil or other loose materials are to be covered, or should maintain at least two feet of freeboard in accordance with CVC Section 23114, (freeboard means vertical space between the top of the load and top of the trailer)	7%-14%*	Tightly secured covering to truck
Fugitive dust from roads	Sweep streets once a day if visible soil materials are carried to adjacent streets (recommend water sweepers with reclaimed water)	25%-60%*	Sweep streets immediately after period of heaviest vehicular track-out activity

Emission Source	Mitigation Measure	Emission Reduction Efficiency	Favorable Factors
Fugitive dust from roads	Install wheel washers where vehicles enter and exit unpaved roads onto paved roads, or wash off trucks and any equipment leaving the site each trip.	40%-70%*	Set up truck washing area on paved access road area so subsequent truck travel on unpaved roads can be eliminated
Fugitive dust from roads	Pave construction roads that have a truck volume of more than 50 daily trips by construction equipment, or 150 total daily trips for all vehicles	92.5% (91% for trucks 94% for passenger vehicles)	
Fugitive dust from roads	Pave construction access roads at least 100 feet onto the site from main road	92.5% (91% for trucks 94% for passenger vehicles)	
Fugitive dust from roads	Pave construction roads that have a daily traffic volume of less than 50 vehicular trips.	92.5% (91% for trucks 94% for passenger vehicles)	
Fugitive dust from roads	Apply water three times daily, or non-toxic stabilizers according to manufacturers' specifications to all unpaved parking or staging areas or unpaved road surfaces	45%-85%*	Use non-toxic chemicals that are formulated for unpaved road surfaces
Fugitive dust from roads	Traffic speeds on all unpaved roads to be reduced to 15 miles per hour or less	40%-70%*	Effective traffic control

*: Use the lowest value if better information is not known. If higher than the lowest value is used, please provide the supporting analysis and data in the environmental documentation.

PM EMISSION RATES		
Demolition		
Truck loading (AP-42, page 13.2.4-4)	PM10	PM2.5
Emission Equation	e=k(0.0032)*(((u/5)^1.3)/((m/2)^1.4))	
K = Particle Size	0.3500	0.053
U = mean wind speed (mph)	7.8	7.8
M = material moisture content (default is 2)	2	2
e, in terms of pounds per SF of material moved	0.0019965491	0.0003023346
e, WITH AVOIDANCE MEASURES	0.0011979295	0.0001814007
Bulldozing Soil		
Bulldozing, dirt pushing loading (AP-42, Table 11.9-1)	PM10	PM2.5
Emission Equation	e=(1.0*(s)^1.5)/((M^1.4))	e=(5.7*(s)^1.2)/((M^1.3))
Scaling Factor (F)	0.7500	0.105
s = Material Silt Content (%)	6.9	6.9
M= Material Moisture Content (%)	16	16
e in terms of pounds per hour	0.2802637468	0.1653206432
e, WITH AVOIDANCE MEASURES	0.2802637468	0.1653206432
Bulldozing Aggregate		
Bulldozing, dirt pushing loading (AP-42, Table 11.9-1)	PM10	PM2.5
Emission Equation	e=(1.0*(s)^1.5)/((M^1.4))	e=(5.7*(s)^1.2)/((M^1.3))
Scaling Factor (F)	0.7500	0.105
s = Material Silt Content (%)	1.5	1.5
M= Material Moisture Content (%)	2	2
e in terms of pounds per hour	0.5221029632	0.3953981848
e, WITH AVOIDANCE MEASURES	0.2610514816	0.1976990924
Truck Loading Soil		
Truck loading (AP-42, page 13.2.4-4)	PM10	PM2.5
Emission Equation	e=k(0.0032)*(((u/5)^1.3)/((m/2)^1.4))	
K = Particle Size	0.35	0.053
U = mean wind speed (mph)	7.8	7.8
M = material moisture content	16	16
e, in terms of pounds per ton of material moved	0.0001086311	0.0000164498
e, WITH AVOIDANCE MEASURES	0.0001086311	0.0000164498
Truck Loading Aggregate		
Truck loading (AP-42, page 13.2.4-4)	PM10	PM2.5
Emission Equation	e=k(0.0032)*(((u/5)^1.3)/((m/2)^1.4))	
K = Particle Size	0.35	0.053
U = mean wind speed (mph)	7.8	7.8
M = material moisture content	2	2
e, in terms of pounds per ton of material moved	0.0019965491	0.0003023346
e, WITH AVOIDANCE MEASURES	0.0011979295	0.0001814007
Dust from truck travel on unpaved roads		
AP42 13.2.2-4, eq 1b, also CALEEMOD Appendix A page 25	PM10	PM2.5
Emission Factor (lbs per mile)	E=(k*(s/12)^a*(W/3)^b)*((365-P)/365)	
k=particle Size (lbs/VMT) Table 13.2.2-2 - Industrial Roads	1.5	0.15
s = Surface material silt content (%)	6.9	6.9
a= constant (Table 13.2.2-2), Industrial Roads	0.9	0.9
W = mean vehicle weight (tons) HAULING TRUCKS	20	20
b = constant (Table 13.2.2-2), Industrial Roads	0.45	0.45
P=Mean number of days per year with at least 0.01 inches of rain	36	36
HAULING Emission Factor (lbs per mile)	1.9295422220	0.1929542222
HAULING EMISSION FACTOR WITH AVOIDANCE MEASURES (lbs/mile)	1.9295422220	0.1929542222
W = Delivery mean vehicle weight (tons) HAULING TRUCKS	10	10
DELIVERY Emission Factor (lbs per mile)	1.4125075835	0.1412507583
DELIVERY EMISSION RATE WITH AVOIDANCE MEASURES (lbs/mile)	1.4125075835	0.1412507583
Dust from vehicles on paved roads		
AP-42 Section 13.2.1 (Paved Roads), eq. 2	PM10	PM2.5
Emission Factor (grams per mile)	E=(k*(sL)^0.91*(W)^1.02) x(1-P/4N)	
K = particle size multiplier (Table 13.2.1-1)- grams/mile	1	0.025
sL (grams/m2)	0.013	0.013
P=Mean number of days per year with at least 0.01 inches of rain	34	34
Truck Weight - W (tons)	20	20
Truck Emission Factor (grams per mile) WITH AVOIDANCE MEASURES	0.3985710180	0.0099642755
Truck Emission Factor (grams per mile) WITH AVOIDANCE MEASURES	0.2391426108	0.0059785653
Delivery Weight - W (tons)	10	10
Delivery Emission Factor (grams per mile)	0.1965418865	0.0049135472
Delivery Emission Factor (grams per mile) WITH AVOIDANCE MEASURES	0.1179251319	0.0029481283
Worker Weight - W (tons)	2.2	2.2
Worker Emission Factor (grams per mile)	0.0419494484	0.0010487362



APPENDIX C **OPERATIONS EMISSION CALCULATIONS**

KNE Traffic Operations - Air Quality

Calculations

		Emissions in pounds/day						
Alternative	2045 VMT in KNE Study Area	NOX	PM2.5	PM10	CO2	ROG	CO	SOX
2045 No Project	586,683,502	85,899	11,316	32,398	364,262,280	9,254	647,123	3,549
2045 Alternative 1 -	586,548,027	85,879	11,313	32,391	364,178,166	9,252	646,974	3,548
2045 Alternative 2 -	586,556,053	85,880	11,313	32,391	364,183,149	9,252	646,983	3,548
2045 Alternative 3 -	586,548,004	85,879	11,313	32,391	364,178,152	9,252	646,974	3,548
2019 No Project	466,684,232	311,523	12,301	28,537	419,526,173	37,871	1,454,420	4,074

Emission Factors from EMFAC

	Emission Factors in ton/mile						
	NOX	PM2.5	PM10	CO2	ROG	CO	SOX
2045	7.32E-08	9.64E-09	2.76E-08	3.10E-04	7.89E-09	5.52E-07	3.02E-09
2019	3.34E-07	1.32E-08	3.06E-08	4.49E-04	4.06E-08	1.56E-06	4.36E-09

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Air District
Region: South Coast AQMD
Calendar Year: 2019, 2045
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/year for CVMT and EVMT, trips/year for Trips, kWh/year for Energy Consumption, tons/year for Emissions, 1000 gallons/year for Fuel Consumption

Region	Calendar Year	Vehicle Ca	Model Yea	Speed	Fuel	Population	Total VMT	VMT Fraction	CVMT	EVMT	Trips	CO2 Contributi	CO2_RUNI	CH4 Contributi	CH4_RUNE	N2O Contribu	N2O_RUNEX
South Coast A	2019	HHDT	Aggregate	Aggregate	Gasoline	185.5379	2296530	0%	2296530	0	1213903	3.97793E-08	6039.526	6.52054E-12	0.989987	4.6123E-12	0.700266
South Coast A	2019	HHDT	Aggregate	Aggregate	Diesel	88453.87	3.74E+09	2%	3.74E+09	0	4.2E+08	4.52312E-05	6867275	1.46549E-10	22.24995	7.1198E-09	1080.969
South Coast A	2019	HHDT	Aggregate	Aggregate	Natural Ga	7039.563	1.61E+08	0%	1.61E+08	0	15168319	1.53469E-06	233006.3	2.47288E-09	375.4469	3.1286E-10	47.49986
South Coast A	2019	LDA	Aggregate	Aggregate	Gasoline	5945754	7.91E+10	52%	7.91E+10	0	9.69E+09	0.000176805	26843561	2.56713E-09	389.7577	3.7294E-09	566.2179
South Coast A	2019	LDA	Aggregate	Aggregate	Diesel	20130.94	2.25E+08	0%	2.25E+08	0	30370143	4.16673E-07	63261.75	3.60672E-12	0.547595	6.5588E-11	9.957952
South Coast A	2019	LDA	Aggregate	Aggregate	Electricity	118728.8	1.39E+09	1%	0	1.39E+09	2.09E+08	0	0	0	0	0	0
South Coast A	2019	LDA	Aggregate	Aggregate	Plug-in Hyl	92643.77	1.49E+09	1%	8.02E+08	6.85E+08	1.33E+08	1.71766E-06	260785.2	6.0058E-12	0.911836	7.2703E-12	1.103814
South Coast A	2019	LDT1	Aggregate	Aggregate	Gasoline	564366.1	6.61E+09	4%	6.61E+09	0	8.65E+08	1.76045E-05	2672820	7.16767E-10	108.8238	8.4026E-10	127.5734
South Coast A	2019	LDT1	Aggregate	Aggregate	Diesel	309.4561	2061792	0%	2061792	0	336223.4	6.52161E-09	990.1503	2.27628E-13	0.03456	1.0266E-12	0.155858
South Coast A	2019	LDT1	Aggregate	Aggregate	Electricity	812.6935	6683010	0%	0	6683010	1278308	0	0	0	0	0	0
South Coast A	2019	LDT1	Aggregate	Aggregate	Plug-in Hyl	4.824724	78244.83	0%	42398.65	35846.18	6922.73	9.09528E-11	13.80901	3.19521E-16	4.85E-05	3.8633E-16	5.87E-05
South Coast A	2019	LDT2	Aggregate	Aggregate	Gasoline	2374311	3.15E+10	21%	3.15E+10	0	3.87E+09	8.95054E-05	13589247	1.34391E-09	204.0411	2.2634E-09	343.6407
South Coast A	2019	LDT2	Aggregate	Aggregate	Diesel	6235.459	91966854	0%	91966854	0	10575989	2.31488E-07	35145.95	7.14229E-13	0.108439	3.6438E-11	5.53228
South Coast A	2019	LDT2	Aggregate	Aggregate	Electricity	345.4722	3979789	0%	0	3979789	606153.8	0	0	0	0	0	0
South Coast A	2019	LDT2	Aggregate	Aggregate	Plug-in Hyl	3342.412	57330899	0%	30439520	26891379	4795844	6.53847E-08	9927.102	2.30694E-13	0.035025	2.7978E-13	0.042477
South Coast A	2019	LHDT1	Aggregate	Aggregate	Gasoline	211832.1	2.43E+09	2%	2.43E+09	0	1.03E+09	1.24613E-05	1891948	1.71118E-10	25.98018	2.7593E-10	41.89389
South Coast A	2019	LHDT1	Aggregate	Aggregate	Diesel	88571.29	1.09E+09	1%	1.09E+09	0	3.64E+08	3.99499E-06	606543.2	5.31986E-11	8.076934	6.2885E-10	95.4752
South Coast A	2019	LHDT2	Aggregate	Aggregate	Gasoline	33354.36	3.77E+08	0%	3.77E+08	0	1.62E+08	2.15117E-06	326603.6	1.96497E-11	2.983339	4.1401E-11	6.285722
South Coast A	2019	LHDT2	Aggregate	Aggregate	Diesel	36714.41	4.56E+08	0%	4.56E+08	0	1.51E+08	2.02657E-06	307686.5	2.0267E-11	3.07706	3.19E-10	48.43254
South Coast A	2019	MCY	Aggregate	Aggregate	Gasoline	230221.4	4.83E+08	0%	4.83E+08	0	1.6E+08	6.86452E-07	104221.2	7.14526E-10	108.4836	1.4897E-10	22.61691
South Coast A	2019	MDV	Aggregate	Aggregate	Gasoline	1589243	1.97E+10	13%	1.97E+10	0	2.55E+09	6.80544E-05	10332422	1.39139E-09	211.2497	2.0583E-09	312.5065
South Coast A	2019	MDV	Aggregate	Aggregate	Diesel	19336.32	2.67E+08	0%	2.67E+08	0	32351781	8.84968E-07	134361.1	2.02209E-12	0.307005	1.393E-10	21.14961
South Coast A	2019	MDV	Aggregate	Aggregate	Electricity	60.04752	503312.8	0%	0	503312.8	94266.45	0	0	0	0	0	0
South Coast A	2019	MDV	Aggregate	Aggregate	Plug-in Hyl	4977.884	78671609	0%	42476082	36195527	7142493	9.04924E-08	13739.1	3.13168E-13	0.047547	3.8071E-13	0.057801
South Coast A	2019	MH	Aggregate	Aggregate	Gasoline	38294.87	1.09E+08	0%	1.09E+08	0	1252743	1.40198E-06	212857.5	2.07657E-11	3.152768	2.6937E-11	4.089695
South Coast A	2019	MH	Aggregate	Aggregate	Diesel	11545.5	36339531	0%	36339531	0	377537.8	2.64171E-07	40108.05	9.278E-13	0.140864	4.1583E-11	6.313357
South Coast A	2019	MHDT	Aggregate	Aggregate	Gasoline	29321.86	4.86E+08	0%	4.86E+08	0	1.92E+08	6.03052E-06	915589.5	8.15936E-11	12.38803	1.2161E-10	18.46299
South Coast A	2019	MHDT	Aggregate	Aggregate	Diesel	114546.3	1.45E+09	1%	1.45E+09	0	4.36E+08	1.16689E-05	1771650	8.02888E-11	12.18992	1.8368E-09	278.8731
South Coast A	2019	MHDT	Aggregate	Aggregate	Natural Ga	878.0337	13721243	0%	13721243	0	2523961	8.46371E-08	12850.11	4.70895E-11	7.149411	1.7254E-11	2.61958
South Coast A	2019	OBUS	Aggregate	Aggregate	Gasoline	6363.679	87744676	0%	87744676	0	41635108	1.10725E-06	168108.6	1.07659E-11	1.634551	1.9047E-11	2.891785
South Coast A	2019	OBUS	Aggregate	Aggregate	Diesel	3357.093	69848625	0%	69848625	0	12150498	7.24642E-07	110019.5	9.34283E-12	1.418485	1.1407E-10	17.31804
South Coast A	2019	OBUS	Aggregate	Aggregate	Natural Ga	360.3154	6987368	0%	6987368	0	936387.7	4.48784E-08	6813.709	2.55643E-11	3.881319	9.1488E-12	1.389019
South Coast A	2019	SBUS	Aggregate	Aggregate	Gasoline	2788.455	38433747	0%	38433747	0	3647299	2.59205E-07	39354.13	1.58511E-11	2.406604	1.1581E-11	1.758307
South Coast A	2019	SBUS	Aggregate	Aggregate	Diesel	3859.861	26785621	0%	26785621	0	18276286	2.51059E-07	38117.29	1.5458E-12	0.234692	3.9519E-11	5.999995
South Coast A	2019	SBUS	Aggregate	Aggregate	Natural Ga	2681.076	22623649	0%	22623649	0	12694786	2.88366E-07	43781.38	8.08086E-10	122.6885	5.8785E-11	8.925121
South Coast A	2019	UBUS	Aggregate	Aggregate	Gasoline	884.6688	31362196	0%	31362196	0	1157147	2.8744E-07	43640.83	7.06811E-13	0.107312	3.2553E-12	0.494232
South Coast A	2019	UBUS	Aggregate	Aggregate	Diesel	43.09657	1209123	0%	1209123	0	56370.32	1.56417E-08	2374.822	6.10188E-14	0.009264	2.4621E-12	0.373818
South Coast A	2019	UBUS	Aggregate	Aggregate	Electricity	81.28595	1111891	0%	0	1111891	106322	0	0	0	0	0	0
South Coast A	2019	UBUS	Aggregate	Aggregate	Natural Ga	4988.549	1.96E+08	0%	1.96E+08	0	6525022	3.5382E-06	537191.4	4.49197E-09	681.9984	7.2129E-10	109.51
2019 Totals												0.000449475		1.52316E-08		2.1016E-08	
South Coast A	2045	HHDT	Aggregate	Aggregate	Gasoline	15.89202	581067.1	0%	581067.1	0	103975.4	5.99681E-09	1042.744	2.56302E-13	0.044567	3.5565E-13	0.061841
South Coast A	2045	HHDT	Aggregate	Aggregate	Diesel	135111.3	6.07E+09	3%	6.07E+09	0	7.15E+08	4.88087E-05	8487000	1.8409E-11	3.201016	7.6898E-09	1337.13

South Coast A	2045	HHDT	Aggregate	Aggregate	Electricity	39248.1	1.17E+09	1%	0	1.17E+09	1.5E+08	0	0	0	0	0	0
South Coast A	2045	HHDT	Aggregate	Aggregate	Natural Ga	11396.7	2.21E+08	0%	2.21E+08	0	25753431	1.43489E-06	249503.6	1.00444E-09	174.6545	2.9251E-10	50.86294
South Coast A	2045	LDA	Aggregate	Aggregate	Gasoline	4999220	6.74E+10	39%	6.74E+10	0	8.1E+09	9.83301E-05	17097952	4.59637E-10	79.92312	1.3482E-09	234.4322
South Coast A	2045	LDA	Aggregate	Aggregate	Diesel	3223.511	39990497	0%	39990497	0	5048134	4.77533E-08	8303.498	6.38356E-14	0.0111	7.5236E-12	1.30822
South Coast A	2045	LDA	Aggregate	Aggregate	Electricity	680921.6	9.36E+09	5%	0	9.36E+09	1.12E+09	0	0	0	0	0	0
South Coast A	2045	LDA	Aggregate	Aggregate	Plug-in Hyl	234195.8	3.2E+09	2%	1.31E+09	1.89E+09	3.36E+08	2.42862E-06	422296	7.99904E-12	1.390897	9.3141E-12	1.619557
South Coast A	2045	LDT1	Aggregate	Aggregate	Gasoline	424327.8	5.34E+09	3%	5.34E+09	0	6.65E+08	9.09002E-06	1580601	4.19626E-11	7.296587	1.1589E-10	20.15045
South Coast A	2045	LDT1	Aggregate	Aggregate	Diesel	4.669412	61601.55	0%	61601.55	0	7537.043	1.37066E-10	23.8335	2.82049E-16	4.9E-05	2.1595E-14	0.003755
South Coast A	2045	LDT1	Aggregate	Aggregate	Electricity	11978.85	1.64E+08	0%	0	1.64E+08	19624496	0	0	0	0	0	0
South Coast A	2045	LDT1	Aggregate	Aggregate	Plug-in Hyl	9167.617	1.25E+08	0%	50723940	73838849	13154110	9.45899E-08	16447.6	3.12784E-13	0.054388	3.6158E-13	0.062872
South Coast A	2045	LDT2	Aggregate	Aggregate	Gasoline	3172613	4.2E+10	24%	4.2E+10	0	5.11E+09	7.37407E-05	12822263	3.90893E-10	67.96962	9.1879E-10	159.7622
South Coast A	2045	LDT2	Aggregate	Aggregate	Diesel	12027.06	1.6E+08	0%	1.6E+08	0	19457890	2.64294E-07	45956.19	7.27394E-13	0.126481	4.164E-11	7.240416
South Coast A	2045	LDT2	Aggregate	Aggregate	Electricity	124222.3	1.19E+09	1%	0	1.19E+09	2.04E+08	0	0	0	0	0	0
South Coast A	2045	LDT2	Aggregate	Aggregate	Plug-in Hyl	85340.39	1.15E+09	1%	4.68E+08	6.79E+08	1.22E+08	8.71985E-07	151623.6	2.87598E-12	0.500084	3.3246E-12	0.578085
South Coast A	2045	LHDT1	Aggregate	Aggregate	Gasoline	143476.1	1.64E+09	1%	1.64E+09	0	6.99E+08	5.21224E-06	906320.1	5.15863E-12	0.896999	1.8014E-11	3.132252
South Coast A	2045	LHDT1	Aggregate	Aggregate	Diesel	107053.6	1.2E+09	1%	1.2E+09	0	4.4E+08	3.52393E-06	612751.9	1.56139E-11	2.714992	5.552E-10	96.53932
South Coast A	2045	LHDT1	Aggregate	Aggregate	Electricity	162207.8	2.3E+09	1%	0	2.3E+09	7.4E+08	0	0	0	0	0	0
South Coast A	2045	LHDT2	Aggregate	Aggregate	Gasoline	20166.15	2.19E+08	0%	2.19E+08	0	98245710	7.84792E-07	136462.1	6.23942E-13	0.108493	3.2455E-12	0.56434
South Coast A	2045	LHDT2	Aggregate	Aggregate	Diesel	52003.41	5.58E+08	0%	5.58E+08	0	2.14E+08	1.91546E-06	333065.4	9.0366E-12	1.571313	3.0178E-10	52.47459
South Coast A	2045	LHDT2	Aggregate	Aggregate	Electricity	43507.53	5.92E+08	0%	0	5.92E+08	1.88E+08	0	0	0	0	0	0
South Coast A	2045	MCY	Aggregate	Aggregate	Gasoline	318274.7	6.19E+08	0%	6.19E+08	0	2.21E+08	7.44652E-07	129482.4	5.62127E-10	97.74436	1.3771E-10	23.94565
South Coast A	2045	MDV	Aggregate	Aggregate	Gasoline	1863034	2.36E+10	14%	2.36E+10	0	2.97E+09	5.02202E-05	8732451	2.4109E-10	41.92156	5.4977E-10	95.59578
South Coast A	2045	MDV	Aggregate	Aggregate	Diesel	20226.65	2.55E+08	0%	2.55E+08	0	32245902	5.47717E-07	95238.79	4.25509E-13	0.073989	8.6293E-11	15.00491
South Coast A	2045	MDV	Aggregate	Aggregate	Electricity	114667	1.08E+09	1%	0	1.08E+09	1.88E+08	0	0	0	0	0	0
South Coast A	2045	MDV	Aggregate	Aggregate	Plug-in Hyl	54351.48	7E+08	0%	2.86E+08	4.14E+08	77985944	5.31756E-07	92463.45	1.7409E-12	0.302713	2.004E-12	0.348468
South Coast A	2045	MH	Aggregate	Aggregate	Gasoline	21286.65	73328714	0%	73328714	0	696351.8	8.22409E-07	143003	1.45276E-12	0.25261	7.9274E-12	1.378446
South Coast A	2045	MH	Aggregate	Aggregate	Diesel	13438.46	41025429	0%	41025429	0	439437.7	2.63023E-07	45735.27	4.38531E-13	0.076253	4.1439E-11	7.20561
South Coast A	2045	MHDT	Aggregate	Aggregate	Gasoline	11693.27	1.72E+08	0%	1.72E+08	0	76504574	1.54003E-06	267785.5	2.48747E-12	0.432528	7.3803E-12	1.283317
South Coast A	2045	MHDT	Aggregate	Aggregate	Diesel	99679.44	1.26E+09	1%	1.26E+09	0	3.86E+08	7.74958E-06	1347521	1.89195E-12	0.328978	1.2209E-09	212.3024
South Coast A	2045	MHDT	Aggregate	Aggregate	Electricity	95579.71	1.35E+09	1%	0	1.35E+09	3.94E+08	0	0	0	0	0	0
South Coast A	2045	MHDT	Aggregate	Aggregate	Natural Ga	1850.281	23104535	0%	23104535	0	5389161	1.15235E-07	20037.41	8.04537E-11	13.98954	2.3491E-11	4.084757
South Coast A	2045	OBUS	Aggregate	Aggregate	Gasoline	2639.112	24220051	0%	24220051	0	17266694	2.22655E-07	38715.86	6.07804E-13	0.105687	2.1915E-12	0.381068
South Coast A	2045	OBUS	Aggregate	Aggregate	Diesel	3435.467	73130505	0%	73130505	0	13087715	5.75093E-07	99998.93	3.34186E-13	0.058109	9.0606E-11	15.75487
South Coast A	2045	OBUS	Aggregate	Aggregate	Electricity	1493.648	26978439	0%	0	26978439	9772365	0	0	0	0	0	0
South Coast A	2045	OBUS	Aggregate	Aggregate	Natural Ga	703.6769	10615572	0%	10615572	0	1828716	5.19885E-08	9039.919	3.9755E-11	6.91272	1.0598E-11	1.842847
South Coast A	2045	SBUS	Aggregate	Aggregate	Gasoline	1931.989	27111631	0%	27111631	0	2527042	1.39505E-07	24257.49	4.47294E-13	0.077777	2.1142E-12	0.367617
South Coast A	2045	SBUS	Aggregate	Aggregate	Diesel	1135.447	7640198	0%	7640198	0	5376295	5.49819E-08	9560.416	2.4818E-14	0.004315	8.6624E-12	1.506247
South Coast A	2045	SBUS	Aggregate	Aggregate	Electricity	3469.02	33594992	0%	0	33594992	13303553	0	0	0	0	0	0
South Coast A	2045	SBUS	Aggregate	Aggregate	Natural Ga	3124.846	20853604	0%	20853604	0	14796020	1.96501E-07	34168.2	4.58733E-10	79.76587	4.0058E-11	6.965411
South Coast A	2045	UBUS	Aggregate	Aggregate	Gasoline	741.551	28708671	0%	28708671	0	969948.7	9.78714E-08	17018.19	8.47752E-14	0.014741	5.8639E-13	0.101964
South Coast A	2045	UBUS	Aggregate	Aggregate	Electricity	7963.172	3.07E+08	0%	0	3.07E+08	10415829	0	0	0	0	0	0
South Coast A	2045	UBUS	Aggregate	Aggregate	Natural Ga	163.7476	4094412	0%	4094412	0	214181.8	1.44601E-08	2514.373	5.76286E-14	0.010021	2.9478E-12	0.512571
2045 Totals												0.000310442		3.35016E-09		1.3541E-08	

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

KNE - MSF Site 3

Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-Rail	57.38	1000sqft	1.32	57,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2045
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6105	14.4900	13.9288	0.0261	7.1944	0.6775	7.7994	3.4544	0.6336	4.0110	0.0000	2,456.0355	2,456.0355	0.6479	0.0315	2,471.7435
2024	53.3869	11.4579	13.4577	0.0260	0.3259	0.4539	0.7798	0.0877	0.4379	0.5256	0.0000	2,417.4859	2,417.4859	0.4144	0.0307	2,435.2591
Maximum	**53.3869**	**14.4900**	**13.9288**	**0.0261**	**7.1944**	**0.6775**	**7.7994**	**3.4544**	**0.6336**	**4.0110**	**0.0000**	**2,456.0355**	**2,456.0355**	**0.6479**	**0.0315**	**2,471.7435**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6105	14.4900	13.9288	0.0261	7.1944	0.6775	7.7994	3.4544	0.6336	4.0110	0.0000	2,456.0355	2,456.0355	0.6479	0.0315	2,471.7435
2024	53.3869	11.4579	13.4577	0.0260	0.3259	0.4539	0.7798	0.0877	0.4379	0.5256	0.0000	2,417.4859	2,417.4859	0.4144	0.0307	2,435.2591
Maximum	**53.3869**	**14.4900**	**13.9288**	**0.0261**	**7.1944**	**0.6775**	**7.7994**	**3.4544**	**0.6336**	**4.0110**	**0.0000**	**2,456.0355**	**2,456.0355**	**0.6479**	**0.0315**	**2,471.7435**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Energy	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Mobile	0.2816	0.2500	2.8732	6.4600e-003	0.9017	3.0000e-003	0.9047	0.2403	2.8100e-003	0.2431		724.9683	724.9683	0.0456	0.0268	734.0977
Total	**1.5655**	**0.2633**	**2.8901**	**6.5400e-003**	**0.9017**	**4.0300e-003**	**0.9057**	**0.2403**	**3.8400e-003**	**0.2441**		**740.8864**	**740.8864**	**0.0459**	**0.0271**	**750.1111**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Energy	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Mobile	0.2816	0.2500	2.8732	6.4600e-003	0.9017	3.0000e-003	0.9047	0.2403	2.8100e-003	0.2431		724.9683	724.9683	0.0456	0.0268	734.0977
Total	**1.5655**	**0.2633**	**2.8901**	**6.5400e-003**	**0.9017**	**4.0300e-003**	**0.9057**	**0.2403**	**3.8400e-003**	**0.2441**		**740.8864**	**740.8864**	**0.0459**	**0.0271**	**750.1111**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2023	9/12/2023	5	20	
2	Site Preparation	Site Preparation	9/13/2023	9/14/2023	5	2	
3	Grading	Grading	9/15/2023	9/20/2023	5	4	
4	Building Construction	Building Construction	9/21/2023	6/26/2024	5	200	
5	Paving	Paving	6/27/2024	7/10/2024	5	10	
6	Architectural Coating	Architectural Coating	7/11/2024	7/24/2024	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 86,070; Non-Residential Outdoor: 28,690; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	**1.4725**	**14.3184**	**13.4577**	**0.0241**		**0.6766**	**0.6766**		**0.6328**	**0.6328**		**2,324.3959**	**2,324.3959**	**0.5893**		**2,339.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	**1.4725**	**14.3184**	**13.4577**	**0.0241**		**0.6766**	**0.6766**		**0.6328**	**0.6328**	**0.0000**	**2,324.3959**	**2,324.3959**	**0.5893**		**2,339.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0416	0.0290	0.4711	1.2900e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		131.6397	131.6397	3.2800e-003	3.0000e-003	132.6157
Total	**0.0416**	**0.0290**	**0.4711**	**1.2900e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**131.6397**	**131.6397**	**3.2800e-003**	**3.0000e-003**	**132.6157**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
Total	**1.1339**	**12.4250**	**6.6420**	**0.0172**	**6.2662**	**0.5074**	**6.7736**	**3.0041**	**0.4668**	**3.4709**		**1,666.0573**	**1,666.0573**	**0.5388**		**1,679.5282**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2899	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		81.0090	81.0090	2.0200e-003	1.8500e-003	81.6097
Total	**0.0256**	**0.0179**	**0.2899**	**7.9000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**81.0090**	**81.0090**	**2.0200e-003**	**1.8500e-003**	**81.6097**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
Total	**1.1339**	**12.4250**	**6.6420**	**0.0172**	**6.2662**	**0.5074**	**6.7736**	**3.0041**	**0.4668**	**3.4709**	**0.0000**	**1,666.0573**	**1,666.0573**	**0.5388**		**1,679.5282**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0256	0.0179	0.2899	7.9000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		81.0090	81.0090	2.0200e-003	1.8500e-003	81.6097
Total	**0.0256**	**0.0179**	**0.2899**	**7.9000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**81.0090**	**81.0090**	**2.0200e-003**	**1.8500e-003**	**81.6097**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
Total	**1.3330**	**14.4676**	**8.7038**	**0.0206**	**7.0826**	**0.6044**	**7.6869**	**3.4247**	**0.5560**	**3.9807**		**1,995.6147**	**1,995.6147**	**0.6454**		**2,011.7503**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303		101.2613	101.2613	2.5200e-003	2.3100e-003	102.0121
Total	**0.0320**	**0.0223**	**0.3624**	**9.9000e-004**	**0.1118**	**6.7000e-004**	**0.1125**	**0.0296**	**6.2000e-004**	**0.0303**		**101.2613**	**101.2613**	**2.5200e-003**	**2.3100e-003**	**102.0121**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
Total	**1.3330**	**14.4676**	**8.7038**	**0.0206**	**7.0826**	**0.6044**	**7.6869**	**3.4247**	**0.5560**	**3.9807**	**0.0000**	**1,995.6147**	**1,995.6147**	**0.6454**		**2,011.7503**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0320	0.0223	0.3624	9.9000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303		101.2613	101.2613	2.5200e-003	2.3100e-003	102.0121
Total	**0.0320**	**0.0223**	**0.3624**	**9.9000e-004**	**0.1118**	**6.7000e-004**	**0.1125**	**0.0296**	**6.2000e-004**	**0.0303**		**101.2613**	**101.2613**	**2.5200e-003**	**2.3100e-003**	**102.0121**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.3455	0.1338	1.6800e-003	0.0577	1.7400e-003	0.0594	0.0166	1.6600e-003	0.0183		180.2542	180.2542	6.0400e-003	0.0259	188.1280
Worker	0.0769	0.0536	0.8697	2.3700e-003	0.2683	1.6200e-003	0.2699	0.0711	1.4900e-003	0.0726		243.0271	243.0271	6.0500e-003	5.5400e-003	244.8290
Total	**0.0872**	**0.3990**	**1.0035**	**4.0500e-003**	**0.3259**	**3.3600e-003**	**0.3293**	**0.0877**	**3.1500e-003**	**0.0909**		**423.2813**	**423.2813**	**0.0121**	**0.0315**	**432.9570**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0104	0.3455	0.1338	1.6800e-003	0.0577	1.7400e-003	0.0594	0.0166	1.6600e-003	0.0183		180.2542	180.2542	6.0400e-003	0.0259	188.1280
Worker	0.0769	0.0536	0.8697	2.3700e-003	0.2683	1.6200e-003	0.2699	0.0711	1.4900e-003	0.0726		243.0271	243.0271	6.0500e-003	5.5400e-003	244.8290
Total	**0.0872**	**0.3990**	**1.0035**	**4.0500e-003**	**0.3259**	**3.3600e-003**	**0.3293**	**0.0877**	**3.1500e-003**	**0.0909**		**423.2813**	**423.2813**	**0.0121**	**0.0315**	**432.9570**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3462	0.1310	1.6500e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		177.5472	177.5472	6.0600e-003	0.0256	185.3136
Worker	0.0716	0.0479	0.8095	2.3100e-003	0.2683	1.5500e-003	0.2698	0.0711	1.4300e-003	0.0726		238.0174	238.0174	5.4800e-003	5.1500e-003	239.6893
Total	**0.0817**	**0.3940**	**0.9405**	**3.9600e-003**	**0.3259**	**3.3000e-003**	**0.3292**	**0.0877**	**3.1000e-003**	**0.0908**		**415.5645**	**415.5645**	**0.0115**	**0.0307**	**425.0029**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3462	0.1310	1.6500e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		177.5472	177.5472	6.0600e-003	0.0256	185.3136
Worker	0.0716	0.0479	0.8095	2.3100e-003	0.2683	1.5500e-003	0.2698	0.0711	1.4300e-003	0.0726		238.0174	238.0174	5.4800e-003	5.1500e-003	239.6893
Total	**0.0817**	**0.3940**	**0.9405**	**3.9600e-003**	**0.3259**	**3.3000e-003**	**0.3292**	**0.0877**	**3.1000e-003**	**0.0908**		**415.5645**	**415.5645**	**0.0115**	**0.0307**	**425.0029**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0388	0.0259	0.4385	1.2500e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		128.9261	128.9261	2.9700e-003	2.7900e-003	129.8317
Total	**0.0388**	**0.0259**	**0.4385**	**1.2500e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**128.9261**	**128.9261**	**2.9700e-003**	**2.7900e-003**	**129.8317**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1913					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**53.3720**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0149	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353
Total	**0.0149**	**9.9700e-003**	**0.1687**	**4.8000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**49.5870**	**49.5870**	**1.1400e-003**	**1.0700e-003**	**49.9353**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1913					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**53.3720**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0149	9.9700e-003	0.1687	4.8000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		49.5870	49.5870	1.1400e-003	1.0700e-003	49.9353
Total	**0.0149**	**9.9700e-003**	**0.1687**	**4.8000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**49.5870**	**49.5870**	**1.1400e-003**	**1.0700e-003**	**49.9353**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2816	0.2500	2.8732	6.4600e-003	0.9017	3.0000e-003	0.9047	0.2403	2.8100e-003	0.2431		724.9683	724.9683	0.0456	0.0268	734.0977
Unmitigated	0.2816	0.2500	2.8732	6.4600e-003	0.9017	3.0000e-003	0.9047	0.2403	2.8100e-003	0.2431		724.9683	724.9683	0.0456	0.0268	734.0977

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-Rail	99.84	99.84	99.84	427,891	427,891
Total	99.84	99.84	99.84	427,891	427,891

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-Rail	0.513803	0.071730	0.195358	0.129140	0.026589	0.008109	0.012209	0.007596	0.000946	0.000535	0.029664	0.000785	0.003536

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
NaturalGas Unmitigated	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-Rail	135.197	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Total		**1.4600e-003**	**0.0133**	**0.0111**	**8.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**		**15.9055**	**15.9055**	**3.0000e-004**	**2.9000e-004**	**16.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-Rail	0.135197	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Total		**1.4600e-003**	**0.0133**	**0.0111**	**8.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**		**15.9055**	**15.9055**	**3.0000e-004**	**2.9000e-004**	**16.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Unmitigated	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Total	**1.2824**	**5.0000e-005**	**5.8200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0126**	**0.0126**	**3.0000e-005**		**0.0134**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Total	**1.2824**	**5.0000e-005**	**5.8200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0126**	**0.0126**	**3.0000e-005**		**0.0134**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

KNE - MSF Site 3

Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-Rail	57.38	1000sqft	1.32	57,380.00	0

1.2 Other Project Characteristics

Urbanization	Urban	**Wind Speed (m/s)**	2.2	**Precipitation Freq (Days)**	33
Climate Zone	11			**Operational Year**	2045
Utility Company	Southern California Edison				
CO2 Intensity (lb/MWhr)	390.98	**CH4 Intensity (lb/MWhr)**	0.033	**N2O Intensity (lb/MWhr)**	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Table Name	Column Name	Default Value	New Value

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6158	14.4923	13.8907	0.0260	7.1944	0.6775	7.7994	3.4544	0.6336	4.0110	0.0000	2,449.0953	2,449.0953	0.6480	0.0319	2,464.8654
2024	53.3881	11.4791	13.3971	0.0259	0.3259	0.4539	0.7798	0.0877	0.4379	0.5256	0.0000	2,405.2639	2,405.2639	0.4145	0.0311	2,423.1625
Maximum	**53.3881**	**14.4923**	**13.8907**	**0.0260**	**7.1944**	**0.6775**	**7.7994**	**3.4544**	**0.6336**	**4.0110**	**0.0000**	**2,449.0953**	**2,449.0953**	**0.6480**	**0.0319**	**2,464.8654**

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	1.6158	14.4923	13.8907	0.0260	7.1944	0.6775	7.7994	3.4544	0.6336	4.0110	0.0000	2,449.0953	2,449.0953	0.6480	0.0319	2,464.8654
2024	53.3881	11.4791	13.3971	0.0259	0.3259	0.4539	0.7798	0.0877	0.4379	0.5256	0.0000	2,405.2639	2,405.2639	0.4145	0.0311	2,423.1625
Maximum	**53.3881**	**14.4923**	**13.8907**	**0.0260**	**7.1944**	**0.6775**	**7.7994**	**3.4544**	**0.6336**	**4.0110**	**0.0000**	**2,449.0953**	**2,449.0953**	**0.6480**	**0.0319**	**2,464.8654**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Energy	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Mobile	0.2788	0.2698	2.8404	6.2000e-003	0.9017	3.0100e-003	0.9047	0.2403	2.8100e-003	0.2431		694.9907	694.9907	0.0464	0.0279	704.4565
Total	**1.5627**	**0.2831**	**2.8574**	**6.2800e-003**	**0.9017**	**4.0400e-003**	**0.9057**	**0.2403**	**3.8400e-003**	**0.2441**		**710.9087**	**710.9087**	**0.0468**	**0.0282**	**720.4699**

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Energy	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Mobile	0.2788	0.2698	2.8404	6.2000e-003	0.9017	3.0100e-003	0.9047	0.2403	2.8100e-003	0.2431		694.9907	694.9907	0.0464	0.0279	704.4565
Total	**1.5627**	**0.2831**	**2.8574**	**6.2800e-003**	**0.9017**	**4.0400e-003**	**0.9057**	**0.2403**	**3.8400e-003**	**0.2441**		**710.9087**	**710.9087**	**0.0468**	**0.0282**	**720.4699**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/16/2023	9/12/2023	5	20	
2	Site Preparation	Site Preparation	9/13/2023	9/14/2023	5	2	
3	Grading	Grading	9/15/2023	9/20/2023	5	4	
4	Building Construction	Building Construction	9/21/2023	6/26/2024	5	200	
5	Paving	Paving	6/27/2024	7/10/2024	5	10	
6	Architectural Coating	Architectural Coating	7/11/2024	7/24/2024	5	10	

Acres of Grading (Site Preparation Phase): 1.88

Acres of Grading (Grading Phase): 4

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 86,070; Non-Residential Outdoor: 28,690; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

Building Construction	Generator Sets	1	8.00	84	0.74
Grading	Graders	1	8.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	24.00	9.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328		2,324.3959	2,324.3959	0.5893		2,339.1278
Total	**1.4725**	**14.3184**	**13.4577**	**0.0241**		**0.6766**	**0.6766**		**0.6328**	**0.6328**		**2,324.3959**	**2,324.3959**	**0.5893**		**2,339.1278**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4725	14.3184	13.4577	0.0241		0.6766	0.6766		0.6328	0.6328	0.0000	2,324.3959	2,324.3959	0.5893		2,339.1278
Total	**1.4725**	**14.3184**	**13.4577**	**0.0241**		**0.6766**	**0.6766**		**0.6328**	**0.6328**	**0.0000**	**2,324.3959**	**2,324.3959**	**0.5893**		**2,339.1278**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0447	0.0321	0.4330	1.2200e-003	0.1453	8.8000e-004	0.1462	0.0385	8.1000e-004	0.0393		124.6995	124.6995	3.3200e-003	3.2000e-003	125.7376
Total	**0.0447**	**0.0321**	**0.4330**	**1.2200e-003**	**0.1453**	**8.8000e-004**	**0.1462**	**0.0385**	**8.1000e-004**	**0.0393**		**124.6995**	**124.6995**	**3.3200e-003**	**3.2000e-003**	**125.7376**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668		1,666.0573	1,666.0573	0.5388		1,679.5282
Total	**1.1339**	**12.4250**	**6.6420**	**0.0172**	**6.2662**	**0.5074**	**6.7736**	**3.0041**	**0.4668**	**3.4709**		**1,666.0573**	**1,666.0573**	**0.5388**		**1,679.5282**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0197	0.2665	7.5000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		76.7381	76.7381	2.0500e-003	1.9700e-003	77.3770
Total	**0.0275**	**0.0197**	**0.2665**	**7.5000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**76.7381**	**76.7381**	**2.0500e-003**	**1.9700e-003**	**77.3770**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.3 Site Preparation - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2662	0.0000	6.2662	3.0041	0.0000	3.0041			0.0000			0.0000
Off-Road	1.1339	12.4250	6.6420	0.0172		0.5074	0.5074		0.4668	0.4668	0.0000	1,666.0573	1,666.0573	0.5388		1,679.5282
Total	**1.1339**	**12.4250**	**6.6420**	**0.0172**	**6.2662**	**0.5074**	**6.7736**	**3.0041**	**0.4668**	**3.4709**	**0.0000**	**1,666.0573**	**1,666.0573**	**0.5388**		**1,679.5282**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0275	0.0197	0.2665	7.5000e-004	0.0894	5.4000e-004	0.0900	0.0237	5.0000e-004	0.0242		76.7381	76.7381	2.0500e-003	1.9700e-003	77.3770
Total	**0.0275**	**0.0197**	**0.2665**	**7.5000e-004**	**0.0894**	**5.4000e-004**	**0.0900**	**0.0237**	**5.0000e-004**	**0.0242**		**76.7381**	**76.7381**	**2.0500e-003**	**1.9700e-003**	**77.3770**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560		1,995.6147	1,995.6147	0.6454		2,011.7503
Total	**1.3330**	**14.4676**	**8.7038**	**0.0206**	**7.0826**	**0.6044**	**7.6869**	**3.4247**	**0.5560**	**3.9807**		**1,995.6147**	**1,995.6147**	**0.6454**		**2,011.7503**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303		95.9227	95.9227	2.5600e-003	2.4700e-003	96.7212
Total	**0.0344**	**0.0247**	**0.3331**	**9.4000e-004**	**0.1118**	**6.7000e-004**	**0.1125**	**0.0296**	**6.2000e-004**	**0.0303**		**95.9227**	**95.9227**	**2.5600e-003**	**2.4700e-003**	**96.7212**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.4 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.3330	14.4676	8.7038	0.0206		0.6044	0.6044		0.5560	0.5560	0.0000	1,995.6147	1,995.6147	0.6454		2,011.7503
Total	**1.3330**	**14.4676**	**8.7038**	**0.0206**	**7.0826**	**0.6044**	**7.6869**	**3.4247**	**0.5560**	**3.9807**	**0.0000**	**1,995.6147**	**1,995.6147**	**0.6454**		**2,011.7503**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0344	0.0247	0.3331	9.4000e-004	0.1118	6.7000e-004	0.1125	0.0296	6.2000e-004	0.0303		95.9227	95.9227	2.5600e-003	2.4700e-003	96.7212
Total	**0.0344**	**0.0247**	**0.3331**	**9.4000e-004**	**0.1118**	**6.7000e-004**	**0.1125**	**0.0296**	**6.2000e-004**	**0.0303**		**95.9227**	**95.9227**	**2.5600e-003**	**2.4700e-003**	**96.7212**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**		**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3617	0.1380	1.6800e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		180.5583	180.5583	6.0100e-003	0.0260	188.4520
Worker	0.0826	0.0592	0.7994	2.2500e-003	0.2683	1.6200e-003	0.2699	0.0711	1.4900e-003	0.0726		230.2144	230.2144	6.1400e-003	5.9200e-003	232.1309
Total	**0.0926**	**0.4209**	**0.9374**	**3.9300e-003**	**0.3259**	**3.3700e-003**	**0.3293**	**0.0877**	**3.1600e-003**	**0.0909**		**410.7727**	**410.7727**	**0.0122**	**0.0319**	**420.5829**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
Total	**1.5233**	**11.7104**	**12.6111**	**0.0221**		**0.5145**	**0.5145**		**0.4968**	**0.4968**	**0.0000**	**2,001.7877**	**2,001.7877**	**0.3399**		**2,010.2858**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0100	0.3617	0.1380	1.6800e-003	0.0577	1.7500e-003	0.0594	0.0166	1.6700e-003	0.0183		180.5583	180.5583	6.0100e-003	0.0260	188.4520
Worker	0.0826	0.0592	0.7994	2.2500e-003	0.2683	1.6200e-003	0.2699	0.0711	1.4900e-003	0.0726		230.2144	230.2144	6.1400e-003	5.9200e-003	232.1309
Total	**0.0926**	**0.4209**	**0.9374**	**3.9300e-003**	**0.3259**	**3.3700e-003**	**0.3293**	**0.0877**	**3.1600e-003**	**0.0909**		**410.7727**	**410.7727**	**0.0122**	**0.0319**	**420.5829**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**		**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6700e-003	0.3624	0.1351	1.6500e-003	0.0577	1.7600e-003	0.0594	0.0166	1.6800e-003	0.0183		177.8529	177.8529	6.0400e-003	0.0256	185.6387
Worker	0.0772	0.0528	0.7447	2.1900e-003	0.2683	1.5500e-003	0.2698	0.0711	1.4300e-003	0.0726		225.4896	225.4896	5.5600e-003	5.5000e-003	227.2676
Total	**0.0869**	**0.4153**	**0.8799**	**3.8400e-003**	**0.3259**	**3.3100e-003**	**0.3292**	**0.0877**	**3.1100e-003**	**0.0909**		**403.3425**	**403.3425**	**0.0116**	**0.0311**	**412.9063**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.5 Building Construction - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
Total	**1.4200**	**11.0639**	**12.5172**	**0.0221**		**0.4506**	**0.4506**		**0.4348**	**0.4348**	**0.0000**	**2,001.9214**	**2,001.9214**	**0.3334**		**2,010.2563**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.6700e-003	0.3624	0.1351	1.6500e-003	0.0577	1.7600e-003	0.0594	0.0166	1.6800e-003	0.0183		177.8529	177.8529	6.0400e-003	0.0256	185.6387
Worker	0.0772	0.0528	0.7447	2.1900e-003	0.2683	1.5500e-003	0.2698	0.0711	1.4300e-003	0.0726		225.4896	225.4896	5.5600e-003	5.5000e-003	227.2676
Total	**0.0869**	**0.4153**	**0.8799**	**3.8400e-003**	**0.3259**	**3.3100e-003**	**0.3292**	**0.0877**	**3.1100e-003**	**0.0909**		**403.3425**	**403.3425**	**0.0116**	**0.0311**	**412.9063**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**		**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.6 Paving - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	**0.6180**	**5.8607**	**8.8253**	**0.0136**		**0.2810**	**0.2810**		**0.2594**	**0.2594**	**0.0000**	**1,297.8688**	**1,297.8688**	**0.4114**		**1,308.1547**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0418	0.0286	0.4034	1.1800e-003	0.1453	8.4000e-004	0.1462	0.0385	7.7000e-004	0.0393		122.1402	122.1402	3.0100e-003	2.9800e-003	123.1033
Total	**0.0418**	**0.0286**	**0.4034**	**1.1800e-003**	**0.1453**	**8.4000e-004**	**0.1462**	**0.0385**	**7.7000e-004**	**0.0393**		**122.1402**	**122.1402**	**3.0100e-003**	**2.9800e-003**	**123.1033**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1913					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	**53.3720**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**		**281.4481**	**281.4481**	**0.0159**		**281.8443**

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474
Total	**0.0161**	**0.0110**	**0.1552**	**4.6000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**46.9770**	**46.9770**	**1.1600e-003**	**1.1500e-003**	**47.3474**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

3.7 Architectural Coating - 2024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	53.1913					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
Total	**53.3720**	**1.2188**	**1.8101**	**2.9700e-003**		**0.0609**	**0.0609**		**0.0609**	**0.0609**	**0.0000**	**281.4481**	**281.4481**	**0.0159**		**281.8443**

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0161	0.0110	0.1552	4.6000e-004	0.0559	3.2000e-004	0.0562	0.0148	3.0000e-004	0.0151		46.9770	46.9770	1.1600e-003	1.1500e-003	47.3474
Total	**0.0161**	**0.0110**	**0.1552**	**4.6000e-004**	**0.0559**	**3.2000e-004**	**0.0562**	**0.0148**	**3.0000e-004**	**0.0151**		**46.9770**	**46.9770**	**1.1600e-003**	**1.1500e-003**	**47.3474**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2788	0.2698	2.8404	6.2000e-003	0.9017	3.0100e-003	0.9047	0.2403	2.8100e-003	0.2431		694.9907	694.9907	0.0464	0.0279	704.4565
Unmitigated	0.2788	0.2698	2.8404	6.2000e-003	0.9017	3.0100e-003	0.9047	0.2403	2.8100e-003	0.2431		694.9907	694.9907	0.0464	0.0279	704.4565

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Unrefrigerated Warehouse-Rail	99.84	99.84	99.84	427,891	427,891
Total	99.84	99.84	99.84	427,891	427,891

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Unrefrigerated Warehouse-Rail	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Unrefrigerated Warehouse-Rail	0.513803	0.071730	0.195358	0.129140	0.026589	0.008109	0.012209	0.007596	0.000946	0.000535	0.029664	0.000785	0.003536

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
NaturalGas Unmitigated	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-Rail	135.197	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Total		**1.4600e-003**	**0.0133**	**0.0111**	**8.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**		**15.9055**	**15.9055**	**3.0000e-004**	**2.9000e-004**	**16.0000**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Unrefrigerated Warehouse-Rail	0.135197	1.4600e-003	0.0133	0.0111	8.0000e-005		1.0100e-003	1.0100e-003		1.0100e-003	1.0100e-003		15.9055	15.9055	3.0000e-004	2.9000e-004	16.0000
Total		**1.4600e-003**	**0.0133**	**0.0111**	**8.0000e-005**		**1.0100e-003**	**1.0100e-003**		**1.0100e-003**	**1.0100e-003**		**15.9055**	**15.9055**	**3.0000e-004**	**2.9000e-004**	**16.0000**

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Unmitigated	1.2824	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Total	**1.2824**	**5.0000e-005**	**5.8200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0126**	**0.0126**	**3.0000e-005**		**0.0134**

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1457					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.1361					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.3000e-004	5.0000e-005	5.8200e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0126	0.0126	3.0000e-005		0.0134
Total	**1.2824**	**5.0000e-005**	**5.8200e-003**	**0.0000**		**2.0000e-005**	**2.0000e-005**		**2.0000e-005**	**2.0000e-005**		**0.0126**	**0.0126**	**3.0000e-005**		**0.0134**

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation